

Converting Colors

XYZ(83.0621, 98.5595, 94.1891)

Have a look what the booklet for
XYZ(83.0621, 98.5595, 94.1891)
contains.

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Color

**XYZ(80.1137, 92.6362,
93.0150)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFEC
RGB	219, 255, 236
RGB Percent	86%, 100%, 93%
CMY	0.1412, 0.0000, 0.0745
CMYK	0.14, 0.00, 0.07, 0.00
HSL	148°, 100%, 93%
HSV	148°, 14%, 100%
XYZ	80.1137, 92.6362, 93.0150
YIQ	242.0700, -15.3570, -13.5410

Conversions

Conversions Part 2

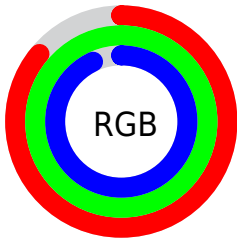
Format	Color
R _Y B	219, 243, 255
Decimal	14417900
CIE Lab	97.08, -15.10, 5.20
CIE LCh	97, 15.972, 161.019
Yxy	92.6362, 0.3014, 0.3486
Android (android.graphics.Color)	4292607980 (0xFFDBFFEC)
YUV	242.0700, -2.9925, -20.2324
Hunter-Lab	96.2477, -19.8554, 10.0748

Details

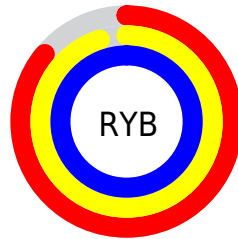
The XYZ color **80.1137, 92.6362, 93.0150** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.0045, 78.0970, 91.6409**, and the grayscale version is **84.4847, 88.8845, 96.7952**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7421, 51.5760, 50.8297** is the 20% darker color. If you saturate the color by 10%, you get **71.1383, 88.2267, 82.7704**, and if you desaturate by 10%, it is **90.4132, 97.7112, 104.0936**.

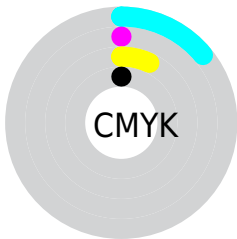
Distribution



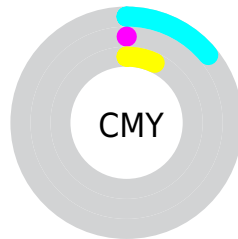
- Red (86%)
- Green (100%)
- Blue (93%)



- Red (86%)
- Yellow (95%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1137, 92.6362, 93.0150 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.1137, 92.6362, 93.0150 by changing the saturation by 10% instead.


 80.1137, 92.6362,
93.0150

 80.1137, 92.6362,
93.0150


484.0466,
536.5695, 558.6117

 60.1207, 70.1692,
69.8962


132.4753,
150.9948, 153.4913

 43.7658, 51.6645,
50.9657


165.5745,
187.6552, 191.6858

 30.6835, 36.7377,
35.8047

203.7733,
229.8155, 235.7428

 20.5086, 25.0045,
23.9949

247.4369,
277.8602, 286.0806

 12.8757, 16.0804,
15.1177

296.9307,
332.1735, 343.1179

 7.4194, 9.5810,
8.7545

352.6200,

 3.7744, 5.1221,

393.1399, 407.2731

4.4868

414.8702,
461.1437, 478.9649

■ 1.5753, 2.3191,
1.8960

■ 0.3762, 0.7838,
0.4902

■ 80.1137, 92.6362,
93.0150

■ 80.1137, 92.6362,
93.0150

■ 71.1383, 88.2267,
82.7704

■ 90.4132, 97.7112,
104.0936

■ 63.4282, 84.4528,
73.3358

95.0500, 100.0000,
108.9000

■ 56.9232, 81.2839,
64.6926

■ 51.5576, 78.6865,
56.8195

■ 47.2586, 76.6236,
49.6944

■ 43.9448, 75.0535,
43.2938

■ 41.5221, 73.9282,
37.5930

■ 39.8758, 73.1891,
32.5651

■ 39.1759, 72.8864,
29.9081

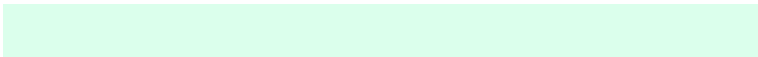
Harmonies

Analogous

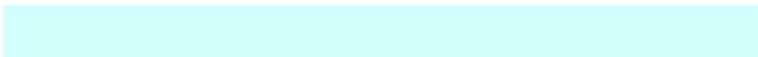
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4883, 92.6362, 83.2936



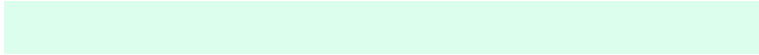
80.1137, 92.6362, 93.0150



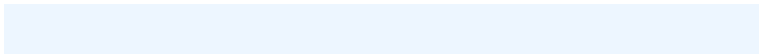
79.8220, 92.6362, 105.6779

Triad

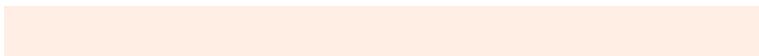
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1137, 92.6362, 93.0150



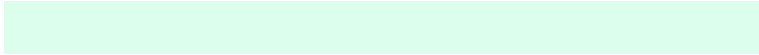
89.7128, 92.6362, 127.2070



94.7415, 92.6362, 85.4544

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.1137, 92.6362, 93.0150



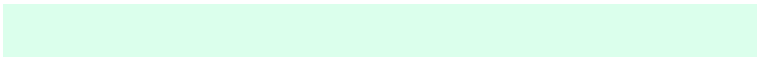
82.0045, 78.0970, 91.6409

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8205, 92.6362, 96.2007



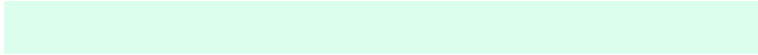
80.1137, 92.6362, 93.0150



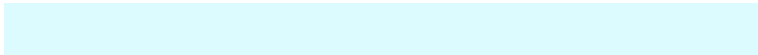
93.8519, 92.6362, 120.7487

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1137, 92.6362, 93.0150



85.2625, 92.6362, 126.1700



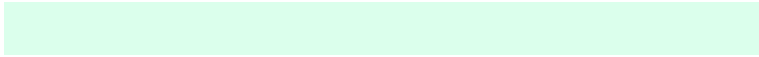
96.4894, 92.6362, 109.1448



90.8934, 92.6362, 79.1923

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



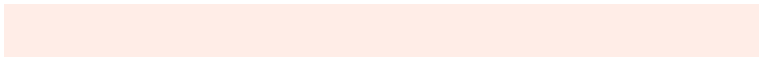
80.1137, 92.6362, 93.0150



80.8362, 92.6362, 114.1868



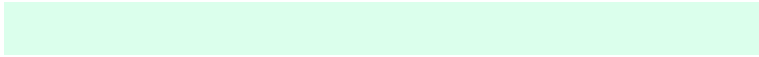
96.4894, 92.6362, 109.1448



95.6763, 92.6362, 88.6220

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.1145, 92.6366, 93.0165



90.5417, 97.7746, 104.2282



83.8738, 94.8465, 80.9056



19.2035, 20.8409, 22.1243



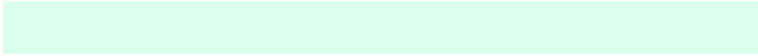
0.0000, 0.0000, 0.0000



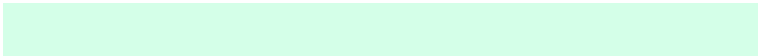
20.3446, 21.4041, 23.3091

Same Dimension

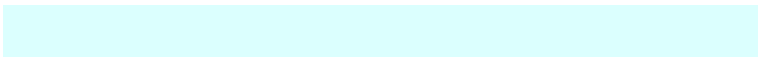
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1145, 92.6366, 93.0165



77.3934, 91.2982, 89.9781



82.8313, 93.7233, 107.3229



18.1287, 20.3110, 20.9806



20.5444, 38.1143, 16.0179



2.0550, 3.7329, 1.8476

Inverse Universe

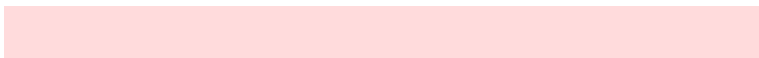
The Inverse Universe completely reimagines the original color for something new.



82.0045, 78.0970, 91.6409



79.6234, 74.1431, 88.3546



79.5170, 77.1019, 78.5414



18.4100, 18.1473, 20.7760



23.8944, 12.0471, 13.3605



2.3818, 1.1951, 1.5917

Previews

White Background



This preview shows how the XYZ color 80.1137, 92.6362, 93.0150 looks on a white background.

Color Contrast Check

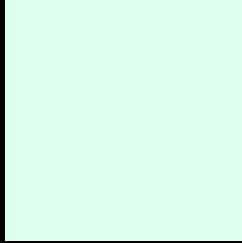
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.1137, 92.6362, 93.0150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

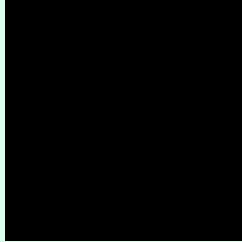
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

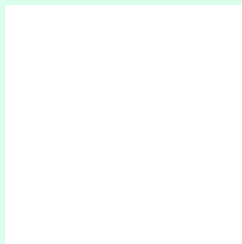
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1137, 92.6362, 93.0150

Background



This preview shows how black text looks on a background with the XYZ color 80.1137, 92.6362, 93.0150.



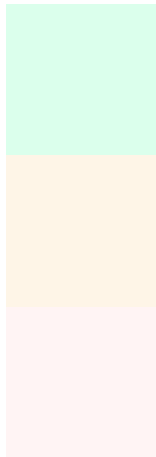
This preview shows how white text looks on a background with the XYZ color 80.1137, 92.6362,

93.0150.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.1137, 92.6362, 93.0150

Protanopia

87.9493, 92.1452, 88.7517

Deuteranopia

89.9198, 92.4930, 98.7016



Tritanopia

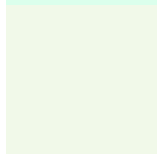
87.2140, 92.7055, 107.9050

Trichromacy



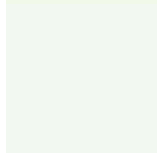
Original Color

80.1137, 92.6362, 93.0150



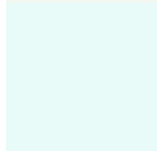
Protanomaly

84.8593, 92.3353, 90.4407



Deuteranomaly

86.0625, 92.3629, 96.5109



Tritanomaly

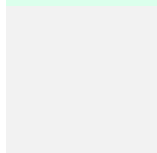
84.7192, 92.9275, 102.2786

Monochromacy



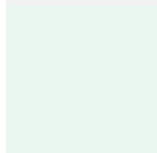
Original Color

80.1137, 92.6362, 93.0150



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.9206, 90.3052, 95.4983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1137, 92.6362, 93.0150 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 80.1137, 92.6362, 93.0150 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 255, 236) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 255, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1137, 92.6362, 93.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
255, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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