

Converting Colors

XYZ(84.0874, 100.0000,
93.3567)

Have a look what the booklet for
XYZ(84.0874, 100.0000, 93.3567)
contains.

XYZ(80.5742, 92.8903, 92.2802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.5742, 92.8903,
92.2802)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFEB
RGB	221, 255, 235
RGB Percent	87%, 100%, 92%
CMY	0.1333, 0.0000, 0.0784
CMYK	0.13, 0.00, 0.08, 0.00
HSL	145°, 100%, 93%
HSV	145°, 13%, 100%
XYZ	80.5742, 92.8903, 92.2802
YIQ	242.5540, -13.8440, -13.4280

Conversions

Conversions Part 2

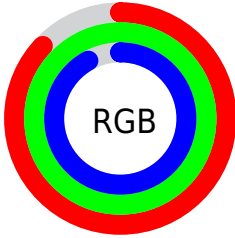
Format	Color
R_{YB}	221, 245, 255
Decimal	14548971
CIE _{Lab}	97.18, -14.65, 5.87
CIE _{LCh}	97, 15.780, 158.145
Yxy	92.8903, 0.3032, 0.3495
Android (android.graphics.Color)	4292739051 (0xFFDDFFEB)
YUV	242.5540, -3.7241, -18.9029
Hunter-Lab	96.3796, -19.4368, 10.6976

Details

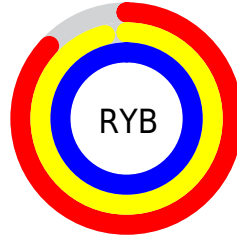
The XYZ color **80.5742, 92.8903, 92.2802** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.9741, 79.3247, 94.1570**, and the grayscale version is **84.8732, 89.2932, 97.2403**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0567, 51.7498, 50.3145** is the 20% darker color. If you saturate the color by 10%, you get **71.3142, 88.3565, 81.0078**, and if you desaturate by 10%, it is **91.1978, 98.1059, 104.5732**.

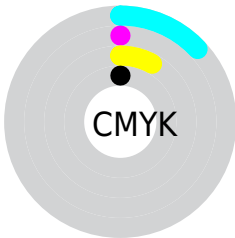
Distribution



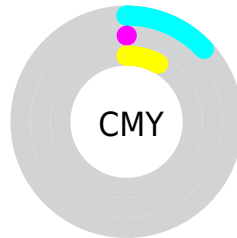
- Red (87%)
- Green (100%)
- Blue (92%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5742, 92.8903, 92.2802 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 80.5742, 92.8903, 92.2802 by changing the saturation by 10% instead.


 80.5742, 92.8903,
92.2802

 80.5742, 92.8903,
92.2802

485.5729,
537.3887, 556.1810

 60.5011, 70.3803,
69.2891

133.1190,
151.3467, 152.4647

 44.0736, 51.8367,
50.4739


166.3214,
188.0620, 190.4952

 30.9266, 36.8749,
35.4163

204.6309,
230.2811, 234.3759

 20.6945, 25.1106,
23.6976

248.4129,
278.3885, 284.5253

 13.0121, 16.1595,
14.8993

298.0328,
332.7686, 341.3620

 7.5139, 9.6371,
8.6029

353.8558,

 3.8347, 5.1590,

393.8057, 405.3045

4.3899

416.2474,
461.8843, 476.7713

■ 1.6090, 2.3409,
1.8416

■ 0.3983, 0.7952,
0.4552

■ 80.5742, 92.8903,
92.2802

■ 80.5742, 92.8903,
92.2802

■ 71.3142, 88.3565,
81.0078

■ 91.1978, 98.1059,
104.5732

■ 63.3578, 84.4742,
70.7255

95.0500, 100.0000,
108.9000

■ 56.6441, 81.2125,
61.4075

■ 51.1063, 78.5374,
53.0254

■ 46.6708, 76.4117,
45.5492

■ 43.2553, 74.7935,
38.9472

■ 40.7652, 73.6348,
33.1857

■ 39.0861, 72.8772,
28.2284

■ 38.3101, 72.5401,
25.3488

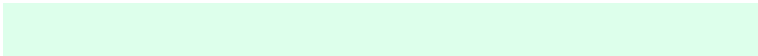
Harmonies

Analogous

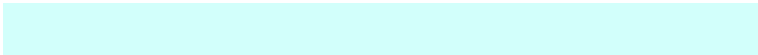
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1028, 92.8903, 83.0465



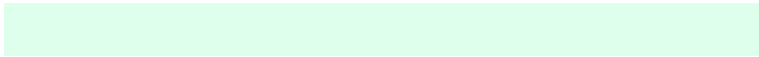
80.5742, 92.8903, 92.2802



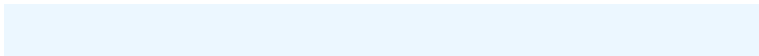
80.0772, 92.8903, 104.6580

Triad

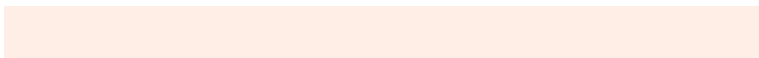
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5742, 92.8903, 92.2802



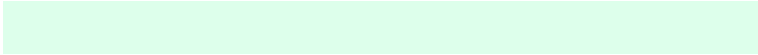
89.5088, 92.8903, 127.4265



95.2000, 92.8903, 86.7312

Complementary

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



80.5742, 92.8903, 92.2802



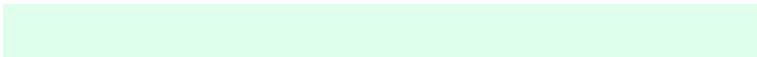
82.9741, 79.3247, 94.1570

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.



97.0448, 92.8903, 97.7051



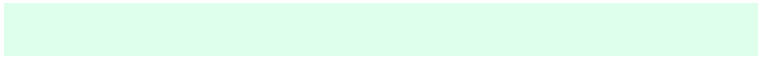
80.5742, 92.8903, 92.2802



93.6875, 92.8903, 121.6913

Square

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



80.5742, 92.8903, 92.2802



85.1385, 92.8903, 125.6663



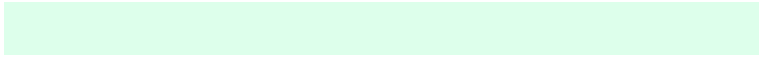
96.4821, 92.8903, 110.5532



91.5172, 92.8903, 80.0354

Rectangle

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



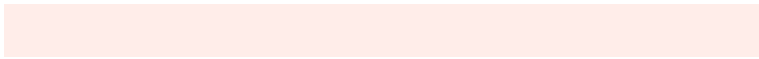
80.5742, 92.8903, 92.2802



80.9486, 92.8903, 113.1627



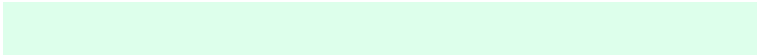
96.4821, 92.8903, 110.5532



96.0612, 92.8903, 90.0038

Sweetspot

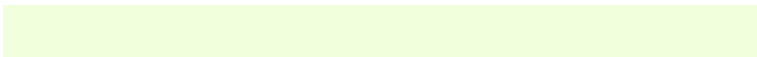
The Sweet Spot groups the original color and five complimentary colors.



80.5750, 92.8907, 92.2817



90.4454, 97.7361, 103.7207



85.2240, 95.5119, 82.3518



19.1791, 20.8311, 21.9960



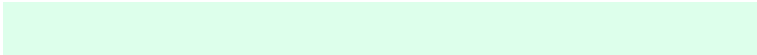
0.0000, 0.0000, 0.0000



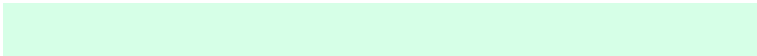
20.3446, 21.4041, 23.3091

Same Dimension

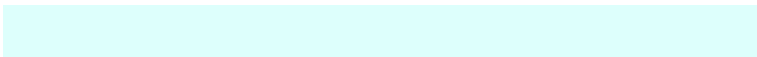
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5750, 92.8907, 92.2817



77.9739, 91.6158, 89.1760



83.0867, 93.8954, 105.5081



18.0817, 20.2922, 20.7332



20.0877, 37.9317, 13.6132



2.0086, 3.7144, 1.6032

Inverse Universe

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



82.9741, 79.3247, 94.1570



80.7991, 75.6392, 91.3835



80.6060, 78.3775, 81.6869



18.4577, 18.1664, 21.0272



24.5011, 12.2897, 16.5550



2.4399, 1.2184, 1.8981

Previews

White Background



This preview shows how the XYZ color 80.5742, 92.8903, 92.2802 looks on a white background.

Color Contrast Check

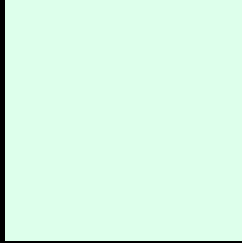
Large Text (above 18pt) WCAG AA × Fail

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 80.5742, 92.8903, 92.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

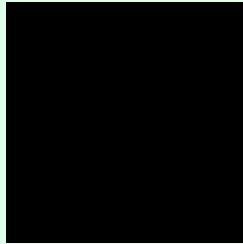
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

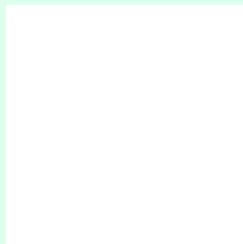
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5742, 92.8903, 92.2802

Background



This preview shows how black text looks on a background with the XYZ color 80.5742, 92.8903, 92.2802.



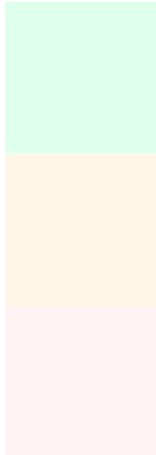
This preview shows how white text looks on a background with the XYZ color 80.5742, 92.8903,

92.2802.

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

80.5742, 92.8903, 92.2802

Protanopia

88.4787, 92.8847, 88.1281

Deuteranopia

89.9198, 92.4930, 98.7016

Tritanopia

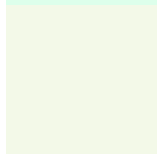
87.5526, 92.8801, 107.9209

Trichromacy



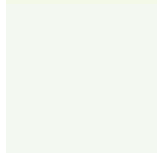
Original Color

80.5742, 92.8903, 92.2802



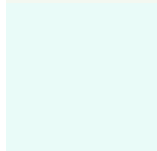
Protanomaly

85.4033, 92.6322, 89.7225



Deuteranomaly

86.4067, 92.5404, 96.5270



Tritanomaly

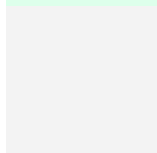
85.0447, 93.0953, 102.2938

Monochromacy



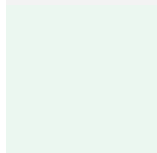
Original Color

80.5742, 92.8903, 92.2802



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2499, 90.4750, 95.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5742, 92.8903, 92.2802 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(221, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 235)  
}
```

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(221, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 80.5742, 92.8903, 92.2802 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(221, 255, 235) }
```


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

```
.border{ border-color:rgb(221, 255, 235) }
```

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

Here you see how a box with a 4 pixel rgb(221, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5742, 92.8903, 92.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 235) }
```

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

```
.background{ background-color: rgb(221,  
255, 235) }
```

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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