

Converting Colors

XYZ(77.9949, 90.2591, 93.6688)

Have a look what the booklet for
XYZ(77.9949, 90.2591, 93.6688)
contains.

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Color

**XYZ(77.8280, 90.0314,
93.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FCED
RGB	214, 252, 237
RGB Percent	84%, 99%, 93%
CMY	0.1608, 0.0117, 0.0706
CMYK	0.15, 0.00, 0.06, 0.01
HSL	156°, 86%, 91%
HSV	156°, 15%, 99%
XYZ	77.8280, 90.0314, 93.3966
YIQ	238.9280, -17.8330, -12.7210

Conversions

Conversions Part 2

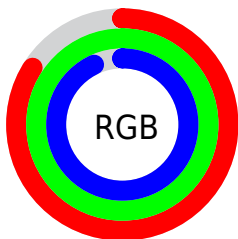
Format	Color
R_{YB}	214, 238, 252
Decimal	14089453
CIE _{Lab}	96.01, -15.03, 3.09
CIE _{LCh}	96, 15.342, 168.376
Y _{xy}	90.0314, 0.2979, 0.3446
Android (android.graphics.Color)	4292279533 (0xFFD6FCED)
YUV	238.9280, -0.9505, -21.8619
Hunter-Lab	94.8849, -19.6364, 8.0594

Details

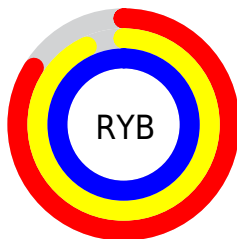
The XYZ color **77.8280, 90.0314, 93.3966** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.3375, 74.4480, 84.3738**, and the grayscale version is **82.0073, 86.2780, 93.9568**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1537, 49.7373, 51.0946** is the 20% darker color. If you saturate the color by 10%, you get **69.6215, 85.9666, 85.6351**, and if you desaturate by 10%, it is **87.2580, 94.7226, 101.6402**.

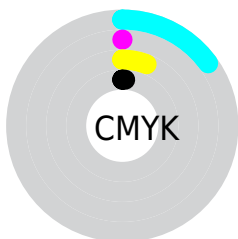
Distribution



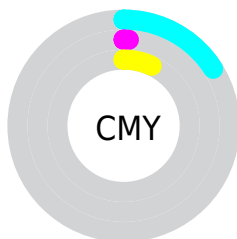
- Red (84%)
- Green (99%)
- Blue (93%)



- Red (84%)
- Yellow (93%)
- Blue (99%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (16%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8280, 90.0314, 93.3966 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 77.8280, 90.0314, 93.3966 by changing the saturation by 10% instead.


 77.8280, 90.0314,
93.3966

 77.8280, 90.0314,
93.3966


476.4313,
528.1330, 559.8717

 58.2350, 68.0067,
70.2117


129.2743,
147.3820, 154.0240

 42.2416, 49.9032,
51.2213


161.8583,
183.4767, 192.3036

 29.4824, 35.3365,
36.0068


199.5033,
225.0302, 236.4519

 19.5922, 23.9222,
24.1497

242.5747,
272.4268, 286.8873

 12.2055, 15.2759,
15.2315

291.4378,
326.0510, 344.0285

 6.9570, 9.0132,
8.8336

346.4580,

 3.4813, 4.7498,

386.2872, 408.2939

4.5375

408.0007,
453.5197, 480.1021

■ 1.4131, 2.1012,
1.9246

■ 0.2655, 0.6653,
0.5083

■ 77.8280, 90.0314,
93.3966

■ 77.8280, 90.0314,
93.3966

■ 69.6215, 85.9666,
85.6351

■ 87.2580, 94.7226,
101.6402

■ 62.5776, 82.4895,
78.3403

■ 94.1021, 98.1042,
108.5840

■ 56.6411, 79.5743,
71.5048

■ 51.7495, 77.1889,
65.1185

■ 47.8337, 75.2978,
59.1708

■ 44.8157, 73.8610,
53.6505

■ 42.6050, 72.8320,
48.5458

■ 41.0902, 72.1536,
43.8434

■ 40.5219, 71.9081,
41.6714

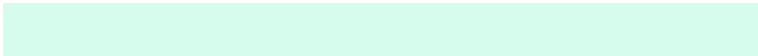
Harmonies

Analogous

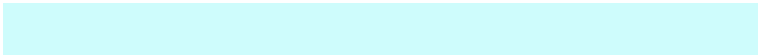
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6179, 90.0314, 83.3150



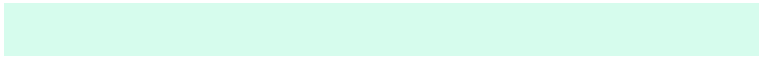
77.8280, 90.0314, 93.3966



78.0617, 90.0314, 105.5801

Triad

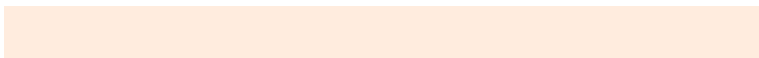
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8280, 90.0314, 93.3966



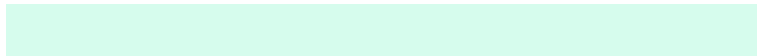
88.1697, 90.0314, 121.9137



91.1059, 90.0314, 81.5814

Complementary

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



77.8280, 90.0314, 93.3966



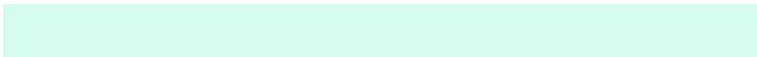
78.3375, 74.4480, 84.3738

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.



93.5495, 90.0314, 90.8466



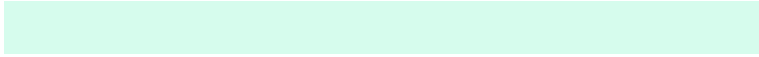
77.8280, 90.0314, 93.3966



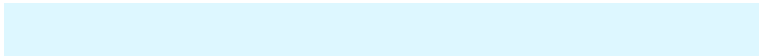
91.8161, 90.0314, 114.3805

Square

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



77.8280, 90.0314, 93.3966



83.9390, 90.0314, 122.7392



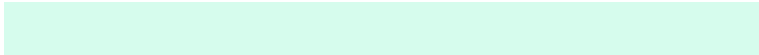
93.8137, 90.0314, 102.8119



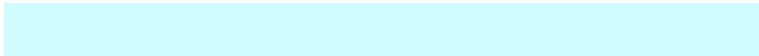
87.2263, 90.0314, 76.8798

Rectangle

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



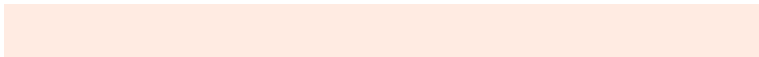
77.8280, 90.0314, 93.3966



79.3350, 90.0314, 113.2600



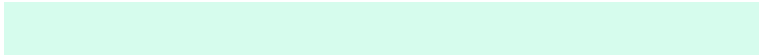
93.8137, 90.0314, 102.8119



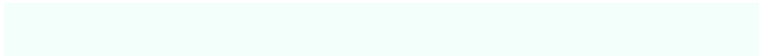
92.1279, 90.0314, 84.2284

Sweetspot

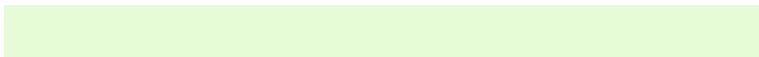
The Sweet Spot groups the original color and five complimentary colors.



77.8305, 90.0352, 93.3986



89.7139, 97.3415, 104.4752



79.3279, 91.1708, 77.0362



19.0476, 20.7580, 22.2310



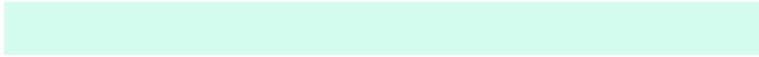
0.0000, 0.0000, 0.0000



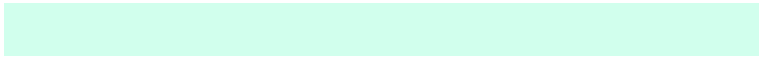
20.3446, 21.4041, 23.3091

Same Dimension

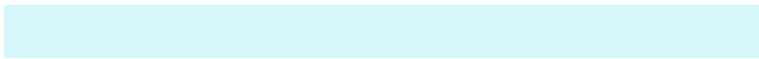
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8305, 90.0352, 93.3986



77.3512, 91.1973, 93.5541



78.9341, 88.5860, 105.0385



17.4586, 19.4857, 20.6157



21.1819, 37.4858, 22.0991



2.0140, 3.4927, 2.3215

Inverse Universe

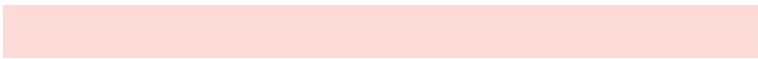
The Inverse Universe completely reimagines the original color for something new.



78.3375, 74.4480, 84.3738



77.9607, 72.4683, 82.7119



77.3048, 75.5919, 74.1358



17.5284, 17.3387, 19.3723



22.1648, 11.2816, 7.5762



2.1034, 1.0651, 0.9677

Previews

White Background



This preview shows how the XYZ color 77.8280, 90.0314, 93.3966 looks on a white background.

Color Contrast Check

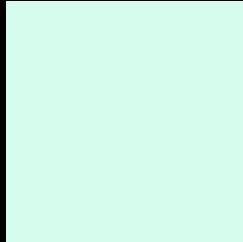
Large Text (above 18pt) WCAG AA × Fail

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 77.8280, 90.0314, 93.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

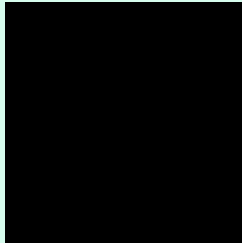
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

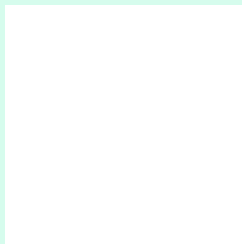
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8280, 90.0314, 93.3966

Background



This preview shows how black text looks on a background with the XYZ color 77.8280, 90.0314, 93.3966.



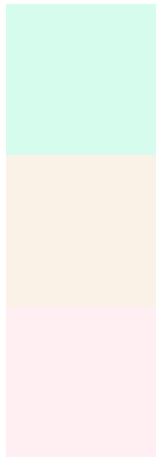
This preview shows how white text looks on a background with the XYZ color 77.8280, 90.0314,

93.3966.

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

77.8280, 90.0314, 93.3966

Protanopia

85.6003, 89.5978, 88.3838

Deuteranopia

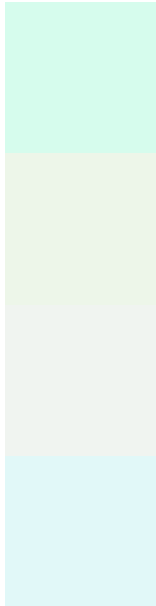
88.1335, 89.4038, 96.6159



Tritanopia

83.9811, 89.6806, 107.4916

Trichromacy



Original Color

77.8280, 90.0314, 93.3966

Protanomaly

82.5888, 89.7993, 90.0709

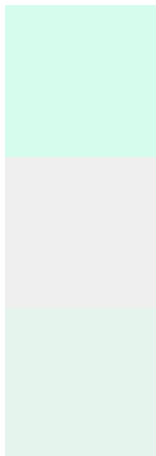
Deuteranomaly

84.0140, 89.5179, 95.2887

Tritanomaly

81.5620, 89.9197, 101.8644

Monochromacy



Original Color

77.8280, 90.0314, 93.3966

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.4164, 87.6974, 93.5778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8280, 90.0314, 93.3966 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(214, 252, 237) looks like.

```
.text, #text, p{  
    color:rgb(214, 252, 237)  
}
```

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(214, 252, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 252, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.8280, 90.0314, 93.3966 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(214, 252, 237) }
```


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

```
.border{ border-color:rgb(214, 252, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 252, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 252, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 252, 237);  
box-shadow:4px 4px 4px 4px rgb(214, 252,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8280, 90.0314, 93.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 252, 237) }
```

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

```
.background{ background-color: rgb(214,  
252, 237) }
```

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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