

Converting Colors

XYZ(63.7819, 78.4833, 96.3820)

Have a look what the booklet for
XYZ(63.7819, 78.4833, 96.3820)
contains.

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Color

**XYZ(63.9541, 78.6792,
96.6099)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A6F3F3 |
| RGB | 166, 243, 243 |
| RGB Percent | 65%, 95%, 95% |
| CMY | 0.3490, 0.0470, 0.0471 |
| CMYK | 0.32, 0.00, 0.00, 0.05 |
| HSL | 180°, 76%, 80% |
| HSV | 180°, 32%, 95% |
| XYZ | 63.9541, 78.6792, 96.6099 |
| YIQ | 219.9770, -45.8920, -16.3240 |

Conversions

Conversions Part 2

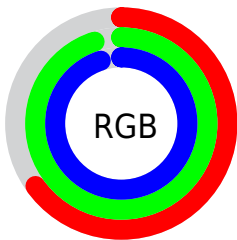
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 166, 205, 243 |
| Decimal | 10941427 |
| CIE Lab | 91.09, -23.45, -7.55 |
| CIE LCh | 91, 24.635, 197.842 |
| Yxy | 78.6792, 0.2673, 0.3289 |
| Android (android.graphics.Color) | 4289131507 (0xFFA6F3F3) |
| YUV | 219.9770, 11.3503, -47.3378 |
| Hunter-Lab | 88.7013, -26.5278, -2.4854 |

Details

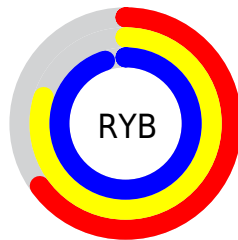
The XYZ color **63.9541, 78.6792, 96.6099** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4840, 49.0825, 42.5234**, and the grayscale version is **67.9596, 71.4988, 77.8621**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **33.1704, 42.4435, 53.4579** is the 20% darker color. If you saturate the color by 10%, you get **59.3341, 76.2995, 96.3947**, and if you desaturate by 10%, it is **69.5411, 81.5614, 96.8737**.

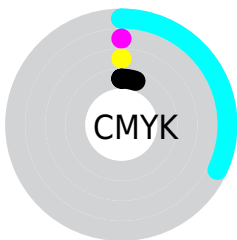
Distribution



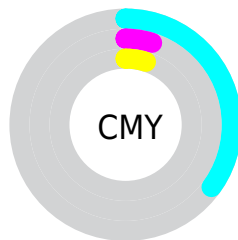
- Red (65%)
- Green (95%)
- Blue (95%)



- Red (65%)
- Yellow (80%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (35%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9541, 78.6792, 96.6099 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 63.9541, 78.6792, 96.6099 by changing the saturation by 10% instead.

 63.9541, 78.6792,
96.6099


 63.9541, 78.6792,
96.6099


428.6287,
490.4704, 570.4216

 46.8750, 58.6321,
72.8714

 109.6189,
131.5071, 158.5015

 33.1444, 42.3170,
53.3796


 138.9354,
165.0568, 197.4917

 22.3969, 29.3496,
37.7161


173.0618,
203.8760, 242.4028

 14.2670, 19.3455,
25.4623

212.3633,
248.3493, 293.6534

 8.3896, 11.9202,
16.1997

257.2054,
298.8609, 351.6621

 4.3991, 6.6893,
9.5097


307.9535,


 1.9303, 3.2686,


355.7954, 416.8473


4.9738


364.9728,
419.5371, 489.6276


 0.5944, 1.2735,
2.1734

 0.0000, 0.1206,
0.6590


 63.9541, 78.6792,
96.6099


 63.9541, 78.6792,
96.6099


 59.3341, 76.2995,
96.3947


 69.5411, 81.5614,
96.8737


 55.6199, 74.3847,
96.2202

 76.1383, 84.9623,
97.1832

 52.7540, 72.9073,
96.0854

 83.7946, 88.9093,
97.5422

 50.6695, 71.8327,
95.9872

 89.4703, 91.8352,
97.8084

■ 49.2895, 71.1214,
95.9219

■ 89.4705, 91.8353,
97.8091

■ 48.5216, 70.7255,
95.8853

■ 89.4706, 91.8353,
97.8098

■ 48.2289, 70.5746,
95.8711

■ 89.4707, 91.8354,
97.8105

■ 89.4709, 91.8354,
97.8112

■ 89.4710, 91.8355,
97.8119

Harmonies

Analogous

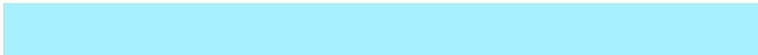
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6776, 78.6792, 78.6475



63.9541, 78.6792, 96.6099



67.0305, 78.6792, 113.6845

Triad

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



63.9541, 78.6792, 96.6099



84.0137, 78.6792, 110.8057



77.3323, 78.6792, 56.3292

Complementary

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



63.9541, 78.6792, 96.6099



57.4840, 49.0825, 42.5234

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.



83.1096, 78.6792, 62.6802



63.9541, 78.6792, 96.6099



87.1081, 78.6792, 93.0949

Square

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



63.9541, 78.6792, 96.6099



78.5110, 78.6792, 122.6305



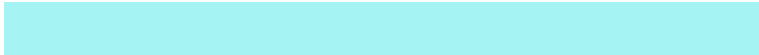
86.7684, 78.6792, 75.5856



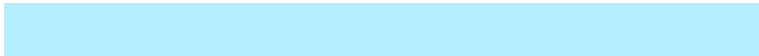
71.1734, 78.6792, 56.9973

Rectangle

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



63.9541, 78.6792, 96.6099



70.3567, 78.6792, 121.5120



86.7684, 78.6792, 75.5856



79.3896, 78.6792, 57.6731

Sweetspot

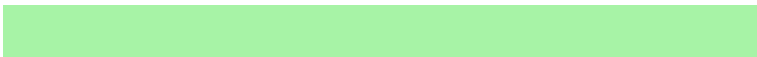
The Sweet Spot groups the original color and five complimentary colors.



63.9564, 78.6823, 96.6117



86.2827, 95.4803, 108.4889



54.9321, 75.1039, 47.6793



18.2251, 20.3115, 23.2097



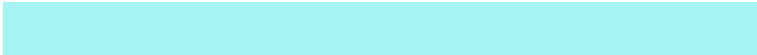
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.9564, 78.6823, 96.6117



67.9297, 86.0190, 107.6279



53.9250, 58.6189, 93.2699



16.9968, 18.7578, 21.2672



26.4687, 38.7323, 52.6154



2.3263, 3.4042, 4.6244

Inverse Universe

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



57.4840, 49.0825, 42.5234



59.6644, 48.2200, 38.5572



65.2550, 64.6249, 45.1125



16.4992, 16.4825, 17.1095



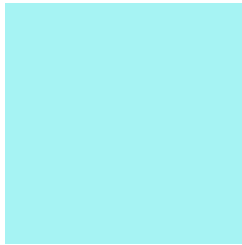
20.2862, 10.4579, 0.9496



1.7830, 0.9192, 0.0835

Previews

White Background



This preview shows how the XYZ color 63.9541, 78.6792, 96.6099 looks on a white background.

Color Contrast Check

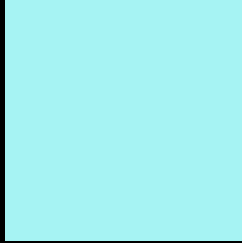
Large Text (above 18pt) WCAG AA × Fail

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 63.9541, 78.6792, 96.6099 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 63.9541, 78.6792, 96.6099

Background



This preview shows how black text looks on a background with the XYZ color 63.9541, 78.6792, 96.6099.

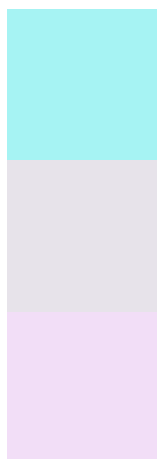


This preview shows how white text looks on a background with the XYZ color 63.9541, 78.6792,

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

63.9541, 78.6792, 96.6099

Protanopia

75.2754, 77.8676, 88.9044

Deuteranopia

79.5277, 77.8352, 98.8278



Tritanopia

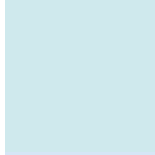
67.9726, 78.7768, 106.2306

Trichromacy



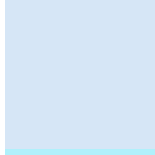
Original Color

63.9541, 78.6792, 96.6099



Protanomaly

70.1571, 77.6576, 91.4125



Deuteranomaly

72.6629, 77.5436, 98.3264



Tritanomaly

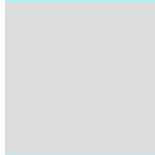
66.4772, 78.5153, 102.9180

Monochromacy



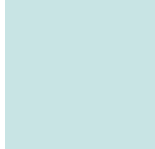
Original Color

63.9541, 78.6792, 96.6099



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.5664, 73.3676, 84.1044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9541, 78.6792, 96.6099 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(166, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(166, 243, 243)  
}
```

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(166, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 243, 243) }
```

Border

The CSS property to change the border of an element to XYZ 63.9541, 78.6792, 96.6099 is called "border". The border property can be set on classes, ids or directly on the HTML element.

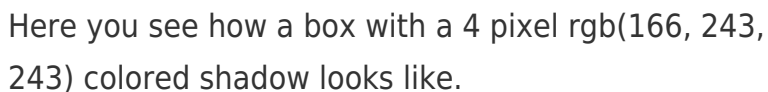
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 243, 243) }
```


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

```
.border{ border-color:rgb(166, 243, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 243, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 243, 243); box-shadow:4px 4px 4px 4px rgb(166, 243, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9541, 78.6792, 96.6099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 243, 243) }
```

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

```
.background{ background-color: rgb(166,  
243, 243) }
```

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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