

Converting Colors

XYZ(45.6564, 63.7295,
100.2550)

Have a look what the booklet for
XYZ(45.6564, 63.7295, 100.2550)
contains.

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Color

**XYZ(45.5521, 63.4958,
100.2975)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6FA
RGB	0, 230, 250
RGB Percent	0%, 90%, 98%
CMY	0.9997, 0.0980, 0.0196
CMYK	1.00, 0.08, 0.00, 0.02
HSL	185°, 100%, 49%
HSV	185°, 100%, 98%
XYZ	45.5521, 63.4958, 100.2975
YIQ	163.5100, -143.5000, -42.5400

Conversions

Conversions Part 2

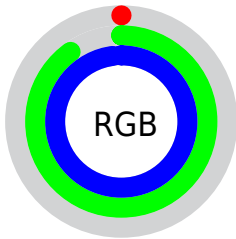
Format	Color
RYB	0, 120, 250
Decimal	59130
CIELab	83.70, -38.47, -22.70
CIELCh	84, 44.665, 210.543
Yxy	63.4958, 0.2176, 0.3033
Android (android.graphics.Color)	4278249210 (0xFF00E6FA)
YUV	163.5100, 42.6396, -143.3983
Hunter-Lab	79.6843, -37.4066, -18.8486

Details

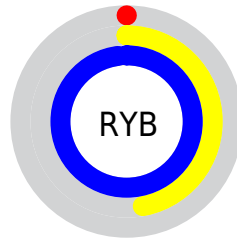
The XYZ color **45.5521, 63.4958, 100.2975** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.6765, 20.8270, 1.9308**, and the grayscale version is **34.9174, 36.7358, 40.0053**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.8737, 34.1671, 56.3229** is the 20% darker color. If you saturate the color by 10%, you get **45.5518, 63.4946, 100.2985**, and if you desaturate by 10%, it is **46.5158, 64.8250, 100.5045**.

Distribution



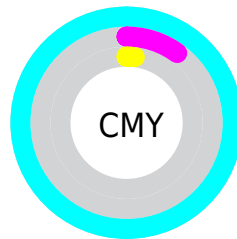
- Red (0%)
- Green (90%)
- Blue (98%)



- Red (0%)
- Yellow (47%)
- Blue (98%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5521, 63.4958, 100.2975 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 45.5521, 63.4958, 100.2975 by changing the saturation by 10% instead.

45.5521, 63.4958,
100.2975

45.5521, 63.4958,
100.2975

359.7512,
437.3666, 582.4009

32.0956, 46.2424,
75.9307

82.7803, 109.8845,
163.6214

21.5905, 32.4372,
55.8694

107.2827,
139.7886, 203.4156

13.6712, 21.6956,
39.6949

136.1978,
174.6784, 249.1894

7.9725, 13.6334,
26.9888

169.8909,
214.9383, 301.3613

4.1290, 7.8662,
17.3324

208.7275,
260.9526, 360.3499

1.7754, 4.0094,
10.3073

253.0728,

0.5028, 1.6788,

313.1059, 426.5736

5.4949

303.2923,
371.7824, 500.4511

■ 0.0000, 0.4099,
2.4767

■ 0.0000, 0.0000,
0.8278

■ 45.5521, 63.4958,
100.2975

■ 45.5521, 63.4958,
100.2975

■ 45.5518, 63.4946,
100.2985

■ 46.5158, 64.8250,
100.5045

■ 47.9982, 66.4300,
100.7361

■ 50.1592, 68.3942,
101.0014

■ 53.0945, 70.7672,
101.3047

■ 56.8846, 73.5905,
101.6499

■ 61.5996, 76.9002,
102.0402

■ 67.3026, 80.7290,
102.4787

■ 74.0510, 85.1063,
102.9679

■ 81.8978, 90.0597,
103.5104

Harmonies

Analogous

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



43.4225, 63.4958, 69.6480



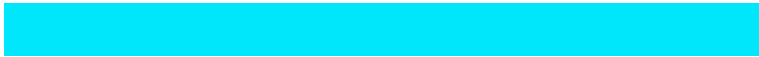
45.5521, 63.4958, 100.2975



51.5621, 63.4958, 127.4762

Triad

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



45.5521, 63.4958, 100.2975



78.2627, 63.4958, 99.1684



60.1727, 63.4958, 28.0366

Complementary

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



45.5521, 63.4958, 100.2975



39.6765, 20.8270, 1.9308

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.



70.0855, 63.4958, 32.0278



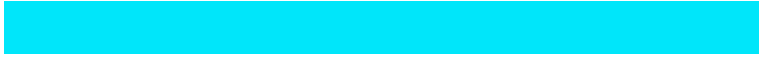
45.5521, 63.4958, 100.2975



81.1902, 63.4958, 68.6268

Square

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



45.5521, 63.4958, 100.2975



70.4272, 63.4958, 126.7100



78.0508, 63.4958, 45.2069



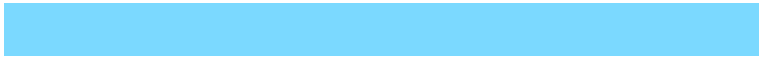
51.2846, 63.4958, 32.3345

Rectangle

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



45.5521, 63.4958, 100.2975



57.3115, 63.4958, 137.0821



78.0508, 63.4958, 45.2069



63.4958, 63.4958, 28.4384

Sweetspot

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



45.5541, 63.4981, 100.2991



70.3633, 84.4208, 107.1940



34.2860, 68.4122, 11.9171



14.4945, 17.6934, 22.9012



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.



45.5541, 63.4981, 100.2991



47.6429, 66.4058, 104.9143



22.6583, 17.7065, 92.6671



17.6400, 19.3569, 22.1918



24.2119, 33.7794, 53.2175



2.2766, 3.1969, 4.9403

Inverse Universe

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



53.7090, 26.0391, 77.0606



56.1771, 27.2349, 80.5879



49.0532, 39.5803, 5.0563



17.9296, 17.4992, 21.4850



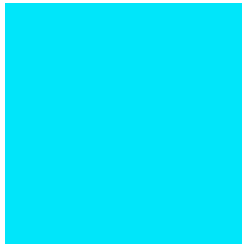
28.5131, 13.8210, 41.0059



2.6581, 1.2870, 3.8887

Previews

White Background



This preview shows how the XYZ color 45.5521, 63.4958, 100.2975 looks on a white background.

Color Contrast Check

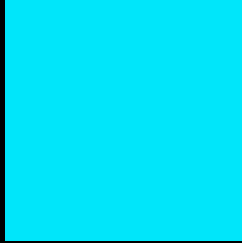
Large Text (above 18pt) WCAG AA × Fail

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 45.5521, 63.4958, 100.2975 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 45.5521, 63.4958, 100.2975

Background



This preview shows how black text looks on a background with the XYZ color 45.5521, 63.4958, 100.2975.

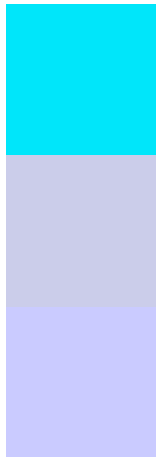


This preview shows how white text looks on a background with the XYZ color 45.5521, 63.4958,

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

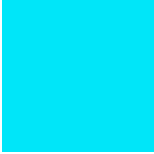
45.5521, 63.4958, 100.2975

Protanopia

61.3112, 62.2997, 86.6355

Deuteranopia

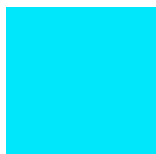
63.7631, 62.4884, 103.3085



Tritanopia

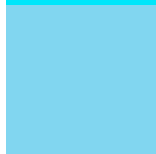
45.3957, 63.4332, 99.4738

Trichromacy



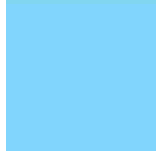
Original Color

45.5521, 63.4958, 100.2975



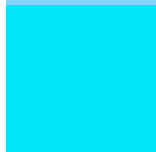
Protanomaly

48.8280, 59.0515, 91.2627



Deuteranomaly

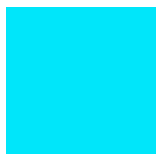
50.5771, 59.3475, 101.7180



Tritanomaly

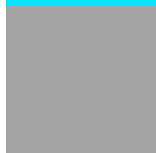
45.3957, 63.4332, 99.4738

Monochromacy



Original Color

45.5521, 63.4958, 100.2975



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.5425, 42.8496, 58.1327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5521, 63.4958, 100.2975 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(0, 230, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 250)  
}
```

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(0, 230, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 250) }
```

Border

The CSS property to change the border of an element to XYZ 45.5521, 63.4958, 100.2975 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(0, 230, 250) }
```


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

```
.border{ border-color:rgb(0, 230, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5521, 63.4958, 100.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 250) }
```

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

```
.background{ background-color: rgb(0, 230,  
250) }
```

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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