

Converting Colors

XYZ(45.4967, 60.0867,
103.8077)

Have a look what the booklet for
XYZ(45.4967, 60.0867, 103.8077)
contains.

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Color

**XYZ(45.5365, 60.1664,
103.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	33DEFF
RGB	51, 222, 255
RGB Percent	20%, 87%, 100%
CMY	0.7999, 0.1294, 0.0000
CMYK	0.80, 0.13, 0.00, 0.00
HSL	190°, 100%, 60%
HSV	190°, 80%, 100%
XYZ	45.5365, 60.1664, 103.8210
YIQ	174.6330, -112.5090, -25.9890

Conversions

Conversions Part 2

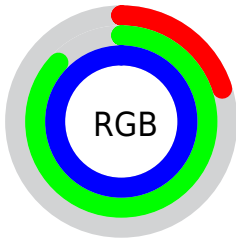
Format	Color
R _Y B	51, 144, 255
Decimal	3399423
CIE Lab	81.93, -30.87, -28.01
CIE LCh	82, 41.679, 222.222
Yxy	60.1664, 0.2173, 0.2872
Android (android.graphics.Color)	4281589503 (0xFF33DEFF)
YUV	174.6330, 39.6209, -108.4261
Hunter-Lab	77.5670, -30.9520, -25.0609

Details

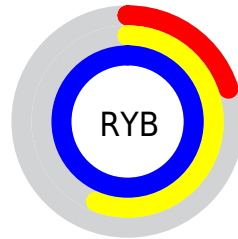
The XYZ color **45.5365, 60.1664, 103.8210** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.0094, 27.8421, 6.1358**, and the grayscale version is **40.4049, 42.5091, 46.2925**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **43.5036, 57.5129, 103.4160**, and if you desaturate by 10%, it is **48.3030, 63.2402, 104.2685**.

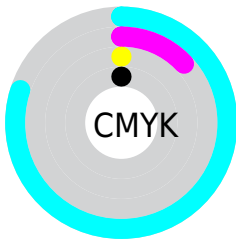
Distribution



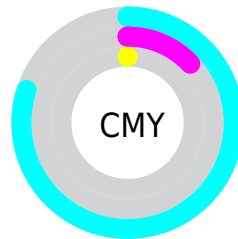
- Red (20%)
- Green (87%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5365, 60.1664, 103.8210 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 45.5365, 60.1664, 103.8210 by changing the saturation by 10% instead.


 45.5365, 60.1664,
103.8210


 45.5365, 60.1664,
103.8210


359.6893,
425.2108, 593.7259


 32.0833, 43.5528,
78.8608


 82.7570, 105.0710,
168.4958


 21.5810, 30.3191,
58.2607


 107.2550,
134.1308, 209.0475

 13.6642, 20.0809,
41.6022


 136.1654,
168.1081, 255.6334

 7.9676, 12.4539,
28.4667

 169.8534,
207.3872, 308.6722

 4.1259, 7.0536,
18.4357

208.6845,
252.3527, 368.5822

 1.7736, 3.4956,
11.0906

253.0239,

 0.5017, 1.3956,

303.3889, 435.7822

6.0128

303.2371,
360.8801, 510.6906

■ 0.0000, 0.2135,
2.7840

■ 0.0000, 0.0000,
0.9854

■ 45.5365, 60.1664,
103.8210

■ 45.5365, 60.1664,
103.8210

■ 43.5036, 57.5129,
103.4160

■ 48.3030, 63.2402,
104.2685

■ 42.0344, 55.1884,
103.0447

■ 51.8988, 66.7804,
104.7623

■ 42.0334, 55.1868,
103.0445

■ 56.4103, 70.8330,
105.3067

■ 61.9114, 75.4364,
105.9053

■ 68.4685, 80.6251,
106.5613

■ 76.1420, 86.4304,
107.2774

■ 84.9876, 92.8814,
108.0563

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.1766, 60.1664, 76.3281



45.5365, 60.1664, 103.8210



52.1685, 60.1664, 123.4199

Triad

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



45.5365, 60.1664, 103.8210



74.8818, 60.1664, 81.4682



53.6745, 60.1664, 28.6151

Complementary

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



45.5365, 60.1664, 103.8210



45.0094, 27.8421, 6.1358

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.



62.5160, 60.1664, 29.3214



45.5365, 60.1664, 103.8210



75.3915, 60.1664, 55.7674

Square

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



45.5365, 60.1664, 103.8210



69.3423, 60.1664, 108.4063



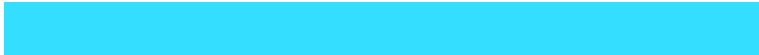
70.6708, 60.1664, 38.0177



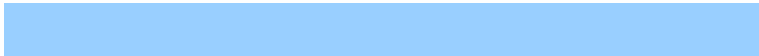
46.5412, 60.1664, 35.7511

Rectangle

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



45.5365, 60.1664, 103.8210



57.8458, 60.1664, 126.9308



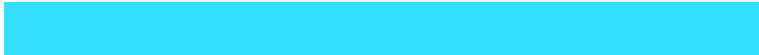
70.6708, 60.1664, 38.0177



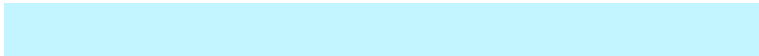
56.5320, 60.1664, 28.0074

Sweetspot

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



45.5382, 60.1685, 103.8213



72.9295, 84.0283, 106.9830



38.6345, 72.8276, 19.9269



15.0317, 17.5466, 22.8445



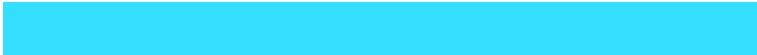
0.0000, 0.0000, 0.0000



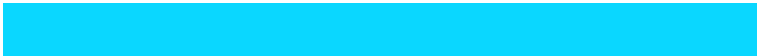
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5382, 60.1685, 103.8213



42.5802, 56.0908, 103.1901



26.4263, 21.9446, 97.4507



18.2900, 19.9515, 23.1370



22.0566, 29.0228, 53.8740



2.2115, 2.9536, 5.2668

Inverse Universe

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



55.6098, 28.9033, 71.7574



53.6680, 26.4083, 66.8287



58.8967, 55.6168, 10.7649



18.6590, 18.2469, 22.0875



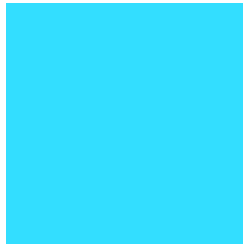
27.9214, 13.6578, 34.5659



2.7508, 1.3427, 3.5354

Previews

White Background



This preview shows how the XYZ color 45.5365, 60.1664, 103.8210 looks on a white background.

Color Contrast Check

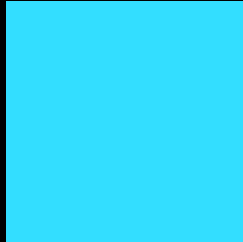
Large Text (above 18pt) WCAG AA × Fail

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 45.5365, 60.1664, 103.8210 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

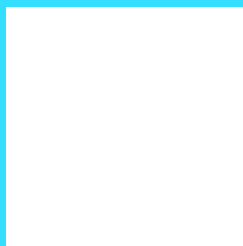
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5365, 60.1664, 103.8210

Background



This preview shows how black text looks on a background with the XYZ color 45.5365, 60.1664, 103.8210.

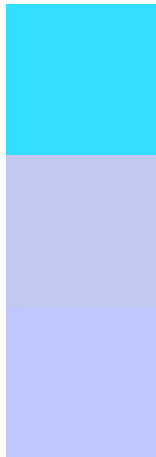


This preview shows how white text looks on a background with the XYZ color 45.5365, 60.1664,

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

45.5365, 60.1664, 103.8210

Protanopia

58.6306, 59.0692, 90.7494

Deuteranopia

60.2117, 59.2733, 102.8751



Tritanopia

43.4102, 60.0972, 93.3164

Trichromacy



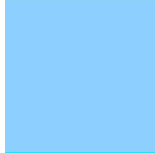
Original Color

45.5365, 60.1664, 103.8210



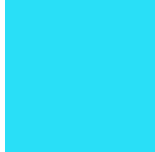
Protanomaly

50.1926, 57.4551, 94.8307



Deuteranomaly

51.3473, 57.5084, 103.0017



Tritanomaly

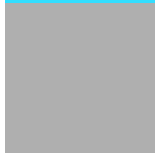
44.0906, 59.9622, 97.2457

Monochromacy



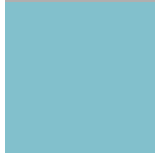
Original Color

45.5365, 60.1664, 103.8210



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.9546, 46.8047, 64.1078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5365, 60.1664, 103.8210 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(51, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 222, 255)  
}
```

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(51, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5365, 60.1664, 103.8210 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(51, 222, 255) }
```


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

```
.border{ border-color:rgb(51, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5365, 60.1664, 103.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 222, 255) }
```

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

```
.background{ background-color: rgb(51, 222,  
255) }
```

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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