

Converting Colors

XYZ(50.5505, 67.7327,
105.0172)

Have a look what the booklet for
XYZ(50.5505, 67.7327, 105.0172)
contains.

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Color

**XYZ(50.5334, 67.6434,
105.0008)**

Conversions

Conversions Part 1

Format	Color
Hex	4DEAFF
RGB	77, 234, 255
RGB Percent	30%, 92%, 100%
CMY	0.6980, 0.0823, 0.0000
CMYK	0.70, 0.08, 0.00, 0.00
HSL	187°, 100%, 65%
HSV	187°, 70%, 100%
XYZ	50.5334, 67.6434, 105.0008
YIQ	189.4510, -100.3130, -26.7530

Conversions

Conversions Part 2

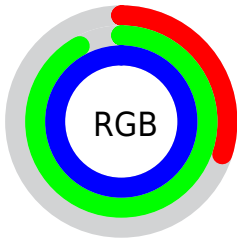
Format	Color
RYB	77, 160, 255
Decimal	5106431
CIELab	85.83, -33.86, -22.03
CIELCh	86, 40.391, 213.051
Yxy	67.6434, 0.2264, 0.3031
Android (android.graphics.Color)	4283296511 (0xFF4DEAFF)
YUV	189.4510, 32.3157, -98.6195
Hunter-Lab	82.2456, -34.2557, -18.1221

Details

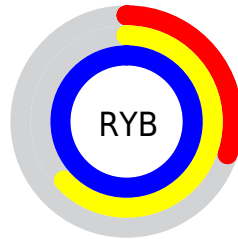
The XYZ color **50.5334, 67.6434, 105.0008** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.9485, 30.5330, 10.4424**, and the grayscale version is **48.4925, 51.0179, 55.5585**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **26.1134, 35.9180, 58.9826** is the 20% darker color. If you saturate the color by 10%, you get **48.0157, 65.0863, 104.6400**, and if you desaturate by 10%, it is **53.8752, 70.6498, 105.4050**.

Distribution



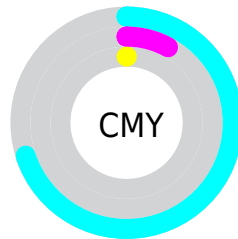
- Red (30%)
- Green (92%)
- Blue (100%)



- Red (30%)
- Yellow (63%)
- Blue (100%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5334, 67.6434, 105.0008 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 50.5334, 67.6434, 105.0008 by changing the saturation by 10% instead.

50.5334, 67.6434,
105.0008

50.5334, 67.6434,
105.0008

379.1658,
452.2315, 597.4925

36.0569, 49.6077,
79.8434

90.1518, 115.8419,
170.1242

24.6485, 35.1018,
59.0641

116.0244,
146.7734, 210.9273

15.9427, 23.7413,
42.2443

146.4265,
182.7723, 257.7826

9.5742, 15.1418,
28.9657

181.7234,
224.2230, 311.1088

5.1777, 8.9190,
18.8095

222.2804,
271.5099, 371.3243

2.3877, 4.6884,
11.3573

268.4629,

0.8390, 2.0656,

325.0173, 438.8478

6.1905

320.6362,
385.1297, 514.0977

■ 0.0000, 0.6452,
2.8906

■ 0.0000, 0.0000,
1.0391

■ 50.5334, 67.6434,
105.0008

■ 50.5334, 67.6434,
105.0008

■ 48.0157, 65.0863,
104.6400

■ 53.8752, 70.6498,
105.4050

■ 46.2161, 62.9194,
104.3166

■ 58.1198, 74.1419,
105.8553

■ 44.9759, 61.0623,
104.0235

■ 63.3426, 78.1600,
106.3556

■ 44.9532, 61.0263,
104.0177

■ 69.6099, 82.7385,
106.9090

■ 76.9817, 87.9085,
107.5184

■ 85.5138, 93.6986,
108.1863

95.0500, 100.0000,
108.9000

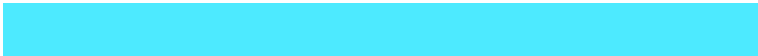
Harmonies

Analogous

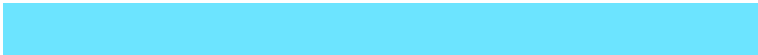
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1472, 67.6434, 76.3912



50.5334, 67.6434, 105.0008



56.5797, 67.6434, 128.8950

Triad

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



50.5334, 67.6434, 105.0008



81.4490, 67.6434, 99.1756



63.3529, 67.6434, 33.6588

Complementary

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



50.5334, 67.6434, 105.0008



46.9485, 30.5330, 10.4424

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.



72.6774, 67.6434, 36.9957



50.5334, 67.6434, 105.0008



83.6965, 67.6434, 70.9794

Square

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



50.5334, 67.6434, 105.0008



74.4676, 67.6434, 125.0055



80.3478, 67.6434, 49.2609



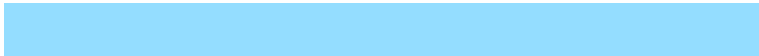
55.0902, 67.6434, 38.7319

Rectangle

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



50.5334, 67.6434, 105.0008



62.1694, 67.6434, 136.5145



80.3478, 67.6434, 49.2609



66.4645, 67.6434, 33.8379

Sweetspot

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



50.5353, 67.6458, 105.0012



76.0363, 87.2554, 107.4422



41.0156, 73.9759, 23.6172



15.8230, 18.3621, 22.9602



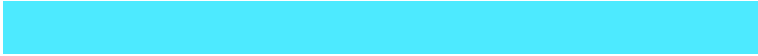
0.0000, 0.0000, 0.0000



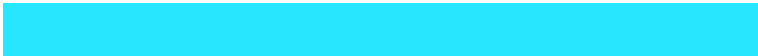
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5353, 67.6458, 105.0012



47.1786, 64.1316, 104.4998



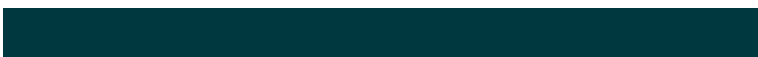
31.2738, 29.1227, 98.5807



18.3612, 20.0940, 23.1607



23.5617, 32.0329, 54.3757



2.3436, 3.2180, 5.3109

Inverse Universe

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



58.7465, 32.5101, 81.0232



56.2713, 28.5302, 77.2064



60.3018, 57.2397, 14.8935



18.6950, 18.2613, 22.2767



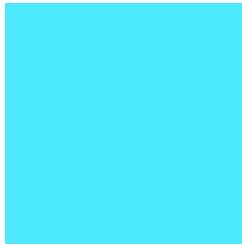
28.6810, 13.9617, 38.5664



2.8176, 1.3694, 3.8867

Previews

White Background



This preview shows how the XYZ color 50.5334, 67.6434, 105.0008 looks on a white background.

Color Contrast Check

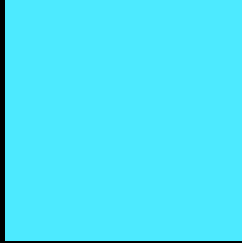
Large Text (above 18pt) WCAG AA × Fail

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 50.5334, 67.6434, 105.0008 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

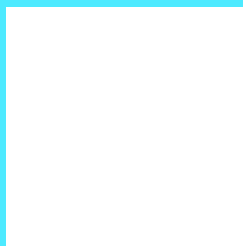
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5334, 67.6434, 105.0008

Background



This preview shows how black text looks on a background with the XYZ color 50.5334, 67.6434, 105.0008.

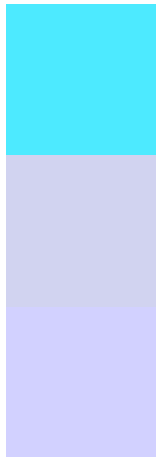


This preview shows how white text looks on a background with the XYZ color 50.5334, 67.6434,

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

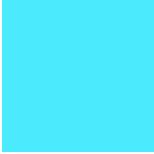
50.5334, 67.6434, 105.0008

Protanopia

65.3169, 66.4351, 91.8188

Deuteranopia

67.4288, 66.5226, 103.8940



Tritanopia

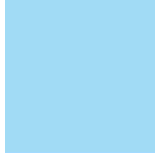
50.1329, 67.4740, 103.3100

Trichromacy



Original Color

50.5334, 67.6434, 105.0008



Protanomaly

56.5109, 64.8327, 95.9217



Deuteranomaly

58.0217, 65.0442, 104.1045



Tritanomaly

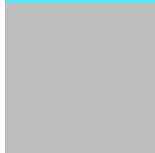
50.2927, 67.5379, 104.1513

Monochromacy



Original Color

50.5334, 67.6434, 105.0008



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.0543, 54.7626, 71.0937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5334, 67.6434, 105.0008 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(77, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 234, 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(77, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.5334, 67.6434, 105.0008 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(77, 234, 255) }
```


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

```
.border{ border-color:rgb(77, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5334, 67.6434, 105.0008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 234, 255) }
```

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

```
.background{ background-color: rgb(77, 234,  
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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