

Converting Colors

XYZ(48.8762, 64.0658,
105.0436)

Have a look what the booklet for
XYZ(48.8762, 64.0658, 105.0436)
contains.

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Color

**XYZ(48.6610, 63.7779,
104.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	4EE3FF
RGB	78, 227, 255
RGB Percent	31%, 89%, 100%
CMY	0.6941, 0.1098, 0.0000
CMYK	0.69, 0.11, 0.00, 0.00
HSL	189°, 100%, 65%
HSV	189°, 69%, 100%
XYZ	48.6610, 63.7779, 104.3534
YIQ	185.6410, -97.7920, -22.8800

Conversions

Conversions Part 2

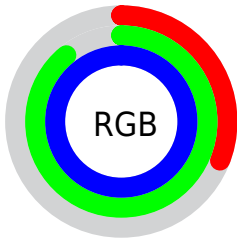
Format	Color
R _Y B	78, 159, 255
Decimal	5170175
CIE Lab	83.85, -30.40, -25.03
CIE LCh	84, 39.377, 219.472
Yxy	63.7779, 0.2245, 0.2942
Android (android.graphics.Color)	4283360255 (0xFF4EE3FF)
YUV	185.6410, 34.1940, -94.4012
Hunter-Lab	79.8611, -30.9931, -21.5707

Details

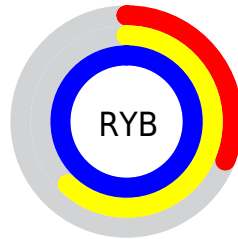
The XYZ color **48.6610, 63.7779, 104.3534** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.7705, 32.1200, 10.8919**, and the grayscale version is **46.3281, 48.7408, 53.0787**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **45.8722, 60.7228, 103.9107**, and if you desaturate by 10%, it is **52.2886, 67.3064, 104.8433**.

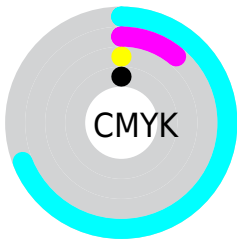
Distribution



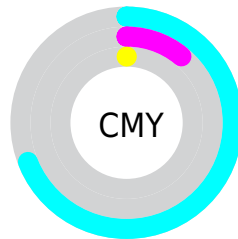
- Red (31%)
- Green (89%)
- Blue (100%)



- Red (31%)
- Yellow (62%)
- Blue (100%)



- Cyan (69%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6610, 63.7779, 104.3534 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 48.6610, 63.7779, 104.3534 by changing the saturation by 10% instead.


 48.6610, 63.7779,
104.3534


 48.6610, 63.7779,
104.3534


371.9454,
438.3872, 595.4272


 34.5641, 46.4708,
79.3041


 87.3915, 110.2910,
169.2309


 23.4922, 32.6175,
58.6231


 112.7558,
140.2658, 209.8961

 15.0801, 21.8336,
41.8918


 142.6066,
175.2320, 256.6038

 8.9623, 13.7347,
28.6916

 177.3092,
215.5739, 309.7724

 4.7735, 7.9364,
18.6041

217.2290,
261.6760, 369.8205

 2.1484, 4.0543,
11.2106

262.7314,

 0.7153, 1.7040,

313.9227, 437.1667

6.0928

314.1818,
372.6982, 512.2294

■ 0.0000, 0.4262,
2.8319

■ 0.0000, 0.0000,
1.0094

■ 48.6610, 63.7779,
104.3534

■ 48.6610, 63.7779,
104.3534

■ 45.8722, 60.7228,
103.9107

■ 52.2886, 67.3064,
104.8433

■ 43.8171, 58.0828,
103.5094

■ 56.8336, 71.3452,
105.3833

■ 42.3445, 55.7808,
103.1427

■ 62.3711, 75.9345,
105.9773

■ 42.2647, 55.6495,
103.1216

■ 68.9670, 81.1085,
106.6283

■ 76.6815, 86.8986,
107.3393

■ 85.5701, 93.3336,
108.1129

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.



45.6439, 63.7779, 77.5841



48.6610, 63.7779, 104.3534



54.9697, 63.7779, 124.3102

Triad

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



48.6610, 63.7779, 104.3534



77.5741, 63.7779, 87.5287



57.9218, 63.7779, 32.2484

Complementary

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



48.6610, 63.7779, 104.3534



47.7705, 32.1200, 10.8919

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.



66.6426, 63.7779, 33.6944



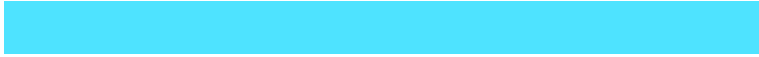
48.6610, 63.7779, 104.3534



78.5561, 63.7779, 61.8928

Square

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



48.6610, 63.7779, 104.3534



71.8232, 63.7779, 113.1036



74.3911, 63.7779, 43.3424



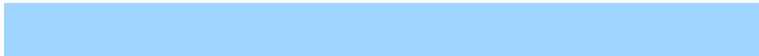
50.6451, 63.7779, 38.7722

Rectangle

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



48.6610, 63.7779, 104.3534



60.4659, 63.7779, 128.8216



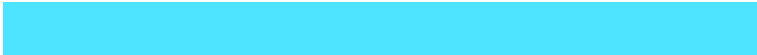
74.3911, 63.7779, 43.3424



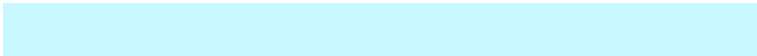
60.7724, 63.7779, 31.8616

Sweetspot

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



48.6628, 63.7801, 104.3537



75.3755, 85.9339, 107.2219



41.4301, 74.1511, 25.3753



15.6638, 18.0437, 22.9072



0.0000, 0.0000, 0.0000



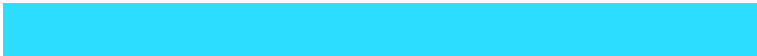
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6628, 63.7801, 104.3537



45.0551, 59.7293, 103.7620



30.5647, 27.5840, 98.3210



18.2958, 19.9632, 23.1389



22.1759, 29.2614, 53.9138



2.2220, 2.9747, 5.2703

Inverse Universe

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



57.8308, 32.2567, 75.8535



55.2373, 28.2616, 71.3144



61.6975, 59.9741, 15.5343



18.6619, 18.2481, 22.1029



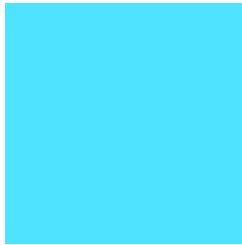
27.9816, 13.6819, 34.8830



2.7562, 1.3448, 3.5633

Previews

White Background



This preview shows how the XYZ color 48.6610, 63.7779, 104.3534 looks on a white background.

Color Contrast Check

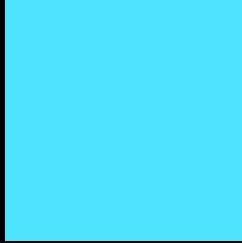
Large Text (above 18pt) WCAG AA × Fail

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 48.6610, 63.7779, 104.3534 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 48.6610, 63.7779, 104.3534

Background



This preview shows how black text looks on a background with the XYZ color 48.6610, 63.7779, 104.3534.

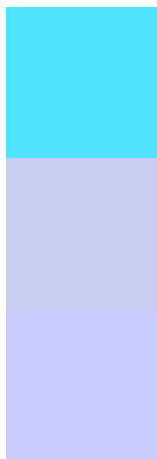


This preview shows how white text looks on a background with the XYZ color 48.6610, 63.7779,

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

48.6610, 63.7779, 104.3534

Protanopia

62.0359, 62.9110, 92.0925

Deuteranopia

63.7303, 62.8232, 103.3749



Tritanopia

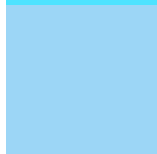
47.2796, 63.6187, 97.7834

Trichromacy



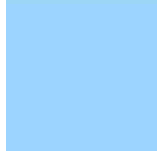
Original Color

48.6610, 63.7779, 104.3534



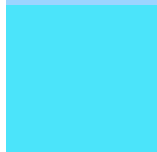
Protanomaly

54.3914, 61.8149, 96.2535



Deuteranomaly

55.3038, 61.3749, 103.5395



Tritanomaly

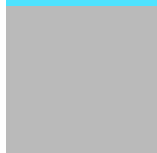
47.9004, 63.8848, 100.2489

Monochromacy



Original Color

48.6610, 63.7779, 104.3534



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.6771, 52.6795, 69.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6610, 63.7779, 104.3534 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(78, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 227, 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(78, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6610, 63.7779, 104.3534 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(78, 227, 255) }
```


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

```
.border{ border-color:rgb(78, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6610, 63.7779, 104.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 227, 255) }
```

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

```
.background{ background-color: rgb(78, 227,  
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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