

Converting Colors

XYZ(46.7594, 60.7377,
103.8668)

Have a look what the booklet for
XYZ(46.7594, 60.7377, 103.8668)
contains.

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Color

**XYZ(46.7698, 60.8021,
103.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	47DEFF
RGB	71, 222, 255
RGB Percent	28%, 87%, 100%
CMY	0.7215, 0.1294, 0.0000
CMYK	0.72, 0.13, 0.00, 0.00
HSL	191°, 100%, 64%
HSV	191°, 72%, 100%
XYZ	46.7698, 60.8021, 103.8787
YIQ	180.6130, -100.5890, -21.7490

Conversions

Conversions Part 2

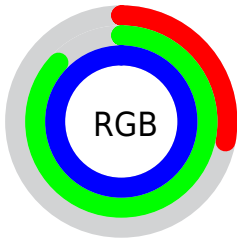
Format	Color
R _{YB}	71, 154, 255
Decimal	4710143
CIE Lab	82.27, -28.85, -27.45
CIE LCh	82, 39.822, 223.582
Yxy	60.8021, 0.2212, 0.2875
Android (android.graphics.Color)	4282900223 (0xFF47DEFF)
YUV	180.6130, 36.6728, -96.1306
Hunter-Lab	77.9757, -29.3932, -24.4027

Details

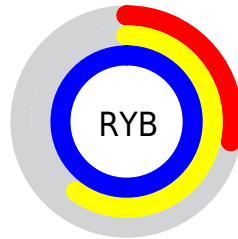
The XYZ color **46.7698, 60.8021, 103.8787** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.3291, 31.6177, 9.5717**, and the grayscale version is **43.5622, 45.8308, 49.9098**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **24.0118, 31.7147, 58.2821** is the 20% darker color. If you saturate the color by 10%, you get **44.0787, 57.6371, 103.4096**, and if you desaturate by 10%, it is **50.2813, 64.4414, 104.3961**.

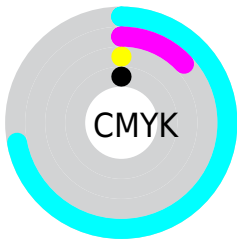
Distribution



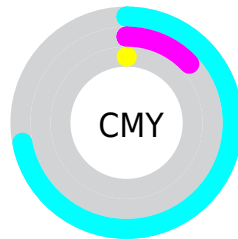
- Red (28%)
- Green (87%)
- Blue (100%)



- Red (28%)
- Yellow (60%)
- Blue (100%)



- Cyan (72%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7698, 60.8021, 103.8787 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 46.7698, 60.8021, 103.8787 by changing the saturation by 10% instead.

46.7698, 60.8021,
103.8787

46.7698, 60.8021,
103.8787

364.5592,
427.5480, 593.9104

33.0609, 44.0655,
78.9089

84.5907, 105.9923,
168.5755

22.3326, 30.7220,
58.3000

109.4335,
135.2147, 209.1395

14.2194, 20.3872,
41.6336

138.7182,
169.3679, 255.7386

8.3562, 12.6768,
28.4911

172.8103,
208.8361, 308.7915

4.3774, 7.2064,
18.4539

212.0751,
254.0038, 368.7165

1.9178, 3.5915,
11.1036

256.8779,

0.5871, 1.4478,

305.2555, 435.9323

6.0215

307.5842,
362.9754, 510.8574

■ 0.0000, 0.2516,
2.7891

■ 0.0000, 0.0000,
0.9880

■ 46.7698, 60.8021,
103.8787

■ 46.7698, 60.8021,
103.8787

■ 44.0787, 57.6371,
103.4096

■ 50.2813, 64.4414,
104.3961

■ 42.0969, 54.8852,
102.9829

■ 54.6957, 68.5941,
104.9650

■ 40.9161, 52.9522,
102.6720

■ 60.0905, 73.3020,
105.5893

■ 66.5338, 78.6004,
106.2724

■ 74.0871, 84.5214,
107.0172

■ 82.8072, 91.0947,
107.8264

■ 92.7469, 98.3479,
108.7025

■ 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.



43.3513, 60.8021, 77.7815



46.7698, 60.8021, 103.8787



53.3053, 60.8021, 121.8312

Triad

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



46.7698, 60.8021, 103.8787



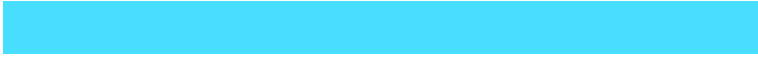
74.8770, 60.8021, 80.2919



54.0468, 60.8021, 30.4065

Complementary

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



46.7698, 60.8021, 103.8787



47.3291, 31.6177, 9.5717

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.



62.5207, 60.8021, 30.7637



46.7698, 60.8021, 103.8787



75.1253, 60.8021, 55.8349

Square

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



46.7698, 60.8021, 103.8787



69.7708, 60.8021, 106.0995



70.4194, 60.8021, 38.9556



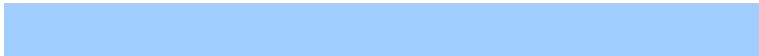
47.2668, 60.8021, 37.8200

Rectangle

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



46.7698, 60.8021, 103.8787



58.8150, 60.8021, 124.5726



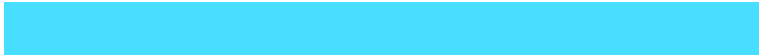
70.4194, 60.8021, 38.9556



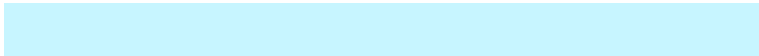
56.7781, 60.8021, 29.6893

Sweetspot

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



46.7716, 60.8042, 103.8790



74.2106, 84.6162, 107.0290



40.7418, 73.8130, 24.5867



15.4205, 17.7536, 22.8640



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.



46.7716, 60.8042, 103.8790



43.0366, 56.2550, 103.1978



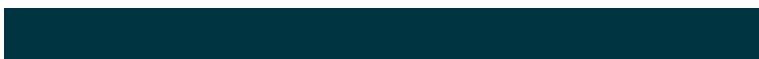
28.9472, 25.1555, 97.9376



18.2615, 19.8946, 23.1275



21.4801, 27.8698, 53.6819



2.1605, 2.8517, 5.2498

Inverse Universe

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



56.6793, 31.0422, 72.1137



54.0811, 27.2733, 66.8471



61.5964, 60.1524, 14.3275



18.6446, 18.2412, 22.0118



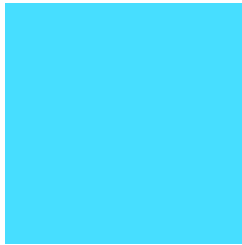
27.6304, 13.5414, 33.0336



2.7251, 1.3324, 3.3999

Previews

White Background



This preview shows how the XYZ color 46.7698, 60.8021, 103.8787 looks on a white background.

Color Contrast Check

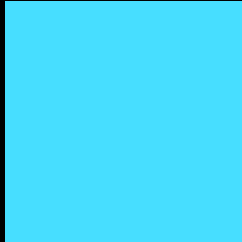
Large Text (above 18pt) WCAG AA × Fail

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 46.7698, 60.8021, 103.8787 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 46.7698, 60.8021, 103.8787

Background



This preview shows how black text looks on a background with the XYZ color 46.7698, 60.8021, 103.8787.

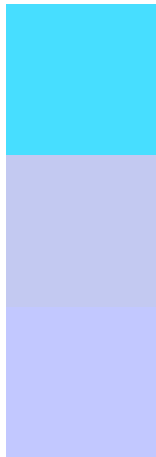


This preview shows how white text looks on a background with the XYZ color 46.7698, 60.8021,

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

46.7698, 60.8021, 103.8787

Protanopia

59.2695, 59.7263, 91.6236

Deuteranopia

60.9524, 59.9979, 102.9760



Tritanopia

44.6693, 60.7462, 93.3753

Trichromacy



Original Color

46.7698, 60.8021, 103.8787



Protanomaly

52.0127, 58.7388, 95.7851



Deuteranomaly

53.0003, 58.7213, 103.1487



Tritanomaly

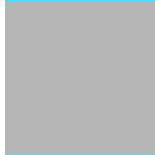
45.3562, 60.6146, 97.3050

Monochromacy



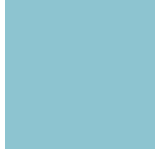
Original Color

46.7698, 60.8021, 103.8787



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.1096, 49.6966, 67.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7698, 60.8021, 103.8787 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(71, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7698, 60.8021, 103.8787 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(71, 222, 255) }
```


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

```
.border{ border-color:rgb(71, 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(71, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7698, 60.8021, 103.8787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 222, 255) }
```

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

```
.background{ background-color: rgb(71, 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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