

# Converting Colors

XYZ(47.9150, 75.0576, 60.1327)

Have a look what the booklet for  
XYZ(47.9150, 75.0576, 60.1327)  
contains.

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# Color

**XYZ(47.8023, 74.7923,  
60.0610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59FBBD
RGB	89, 251, 189
RGB Percent	35%, 98%, 74%
CMY	0.6510, 0.0157, 0.2588
CMYK	0.65, 0.00, 0.25, 0.02
HSL	157°, 95%, 67%
HSV	157°, 65%, 98%
XYZ	47.8023, 74.7923, 60.0610
YIQ	195.4940, -76.6500, -53.6260

# Conversions

## Conversions Part 2

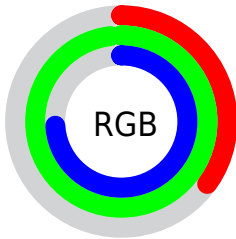
Format	Color
<b>RYB</b>	89, 189, 251
Decimal	5897149
CIELab	89.30, -56.24, 17.52
CIELCh	89, 58.902, 162.696
Yxy	74.7923, 0.2617, 0.4095
Android (android.graphics.Color)	4284087229 (0xFF59FBBD)
YUV	195.4940, -3.2015, -93.3952
Hunter-Lab	86.4825, -52.6805, 19.3616

# Details

The XYZ color **47.8023, 74.7923, 60.0610** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **48.9444, 29.8902, 32.4708**, and the grayscale version is **52.2197, 54.9392, 59.8288**.

A 20% lighter version of the original color is **65.5679, 84.9826, 99.3337**, and **23.5139, 39.9175, 29.7581** is the 20% darker color. If you saturate the color by 10%, you get **44.7834, 73.3545, 54.6563**, and if you desaturate by 10%, it is **51.7150, 76.6868, 65.8714**.

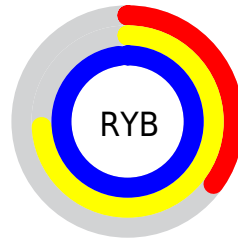
# Distribution



Red (35%)

Green (98%)

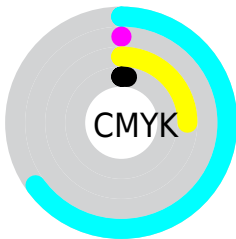
Blue (74%)



Red (35%)

Yellow (74%)

Blue (98%)

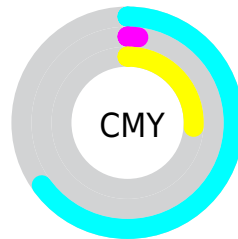


Cyan (65%)

Magenta (0%)

Yellow (25%)

Black (2%)



Cyan (65%)

Magenta (2%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8023, 74.7923, 60.0610 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 47.8023, 74.7923, 60.0610 by changing the saturation by 10% instead.





 47.8023, 74.7923,  
60.0610


 47.8023, 74.7923,  
60.0610


368.6036,  
477.2034, 442.6335


 33.8810, 55.4428,  
43.0422


 86.1215, 126.0183,  
106.4624


 22.9646, 39.7563,  
29.5866


 111.2500,  
158.6636, 136.6820

 14.6879, 27.3486,  
19.2756


 140.8449,  
196.5095, 172.1391

 8.6855, 17.8352,  
11.6908

 175.2717,  
239.9405, 213.2520

 4.5921, 10.8317,  
6.4135

214.8955,  
289.3410, 260.4393

 2.0423, 5.9538,  
3.0253

260.0819,

 0.6575, 2.8170,

345.0954, 314.1197

1.1076

311.1962,  
407.5881, 374.7115

■ 0.0000, 1.0370,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.8023, 74.7923,  
60.0610

■ 47.8023, 74.7923,  
60.0610

■ 44.7834, 73.3545,  
54.6563

■ 51.7150, 76.6868,  
65.8714

■ 42.5635, 72.3188,  
49.6411


■ 56.5920, 79.0683,  
72.0926


■ 41.0361, 71.6324,  
45.0049


■ 62.5032, 81.9747,  
78.7362

■ 40.4096, 71.3614,  
42.6271

■ 69.5102, 85.4376,  
85.8113

 77.6695, 89.4860,  
93.3269

 87.0338, 94.1469,  
101.2915

 93.7885, 97.4770,  
108.4795

# Harmonies

## Analogous

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



53.9231, 74.7923, 35.9665



47.8023, 74.7923, 60.0610



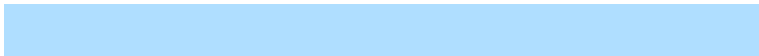
47.3615, 74.7923, 100.1281

# Triad

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



47.8023, 74.7923, 60.0610



77.3456, 74.7923, 185.8210



93.4316, 74.7923, 38.6443

# Complementary

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



47.8023, 74.7923, 60.0610



48.9444, 29.8902, 32.4708

# 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.



101.6510, 74.7923, 65.2284



47.8023, 74.7923, 60.0610



91.5559, 74.7923, 154.6895

# Square

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



47.8023, 74.7923, 60.0610



63.1690, 74.7923, 182.9763



100.9216, 74.7923, 107.3619



79.6422, 74.7923, 26.7801



# Rectangle

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



47.8023, 74.7923, 60.0610



50.2473, 74.7923, 132.1958



100.9216, 74.7923, 107.3619



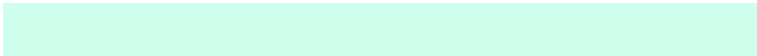
97.0160, 74.7923, 45.6846

# Sweetspot

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



47.8043, 74.7953, 60.0627



76.5734, 90.8034, 93.1962



49.0838, 76.3076, 21.5941



15.8785, 19.1820, 19.4730



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.



47.8043, 74.7953, 60.0627



45.7660, 75.7284, 55.3054



50.4195, 66.8613, 101.5184



17.4678, 19.4894, 20.6639



21.3134, 37.5384, 22.7917



2.0257, 3.4974, 2.3832



# Inverse Universe

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



48.9444, 29.8902, 32.4708



47.0751, 26.0677, 25.0313



46.9411, 31.9364, 13.1425



17.5195, 17.3352, 19.3255



22.0888, 11.2513, 7.1763

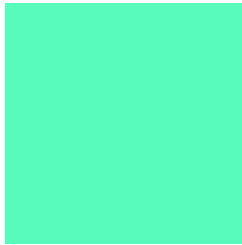


2.0957, 1.0620, 0.9276



# Previews

## White Background



This preview shows how the XYZ color 47.8023, 74.7923, 60.0610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

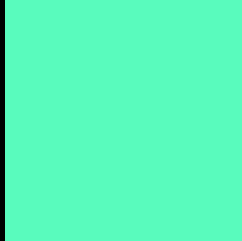
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8023, 74.7923, 60.0610 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 47.8023, 74.7923, 60.0610**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8023, 74.7923, 60.0610.



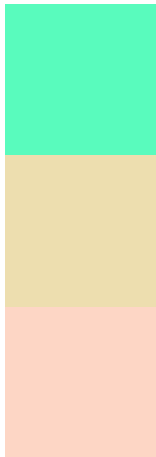
This preview shows how white text looks on a background with the XYZ color 47.8023, 74.7923,



# 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

47.8023, 74.7923, 60.0610

### Protanopia

68.7842, 73.3422, 51.0886

### Deuteranopia

74.6326, 73.0070, 62.9815



## Tritanopia

59.6090, 74.0318, 105.7556

# Trichromacy



## Original Color

47.8023, 74.7923, 60.0610



## Protanomaly

56.9056, 71.6404, 54.0088



## Deuteranomaly

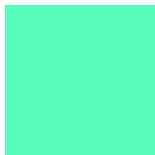
59.1990, 70.1707, 61.4631



## Tritanomaly

54.5004, 74.0083, 87.0139

# Monochromacy



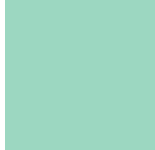
## Original Color

47.8023, 74.7923, 60.0610



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

47.6364, 59.5191, 59.4297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8023, 74.7923, 60.0610 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(89, 251, 189)` looks like.

```
.text, #text, p{  
    color:rgb(89, 251, 189)  
}
```

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(89, 251, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 251, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8023, 74.7923, 60.0610 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(89, 251, 189) }
```



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

```
.border{ border-color:rgb(89, 251, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 251, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 251, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 251, 189);  
box-shadow:4px 4px 4px 4px rgb(89, 251,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8023, 74.7923, 60.0610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 251, 189) }
```

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

```
.background{ background-color: rgb(89, 251,  
189) }
```

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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