

# Converting Colors

XYZ(47.7647, 71.2893, 72.8708)

Have a look what the booklet for  
XYZ(47.7647, 71.2893, 72.8708)  
contains.

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# Color

**XYZ(47.7647, 71.2893,  
72.8708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54F4D3
RGB	84, 244, 211
RGB Percent	33%, 96%, 83%
CMY	0.6706, 0.0431, 0.1725
CMYK	0.66, 0.00, 0.14, 0.04
HSL	168°, 88%, 64%
HSV	168°, 66%, 96%
XYZ	47.7647, 71.2893, 72.8708
YIQ	192.3980, -84.7670, -44.1830

# Conversions

## Conversions Part 2

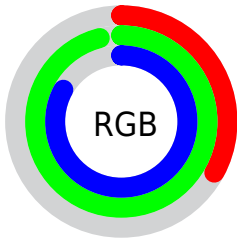
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">84, 173, 244</a>
Decimal	<a href="#">5567699</a>
CIELab	<a href="#">87.63, -49.14, 3.72</a>
CIElCh	<a href="#">88, 49.281, 175.668</a>
Yxy	<a href="#">71.2893, 0.2489, 0.3714</a>
Android (android.graphics.Color)	<a href="#">4283757779 (0xFF54F4D3)</a>
YUV	<a href="#">192.3980, 9.1708, -95.0650</a>
Hunter-Lab	<a href="#">84.4330, -46.7783, 7.9322</a>

# Details

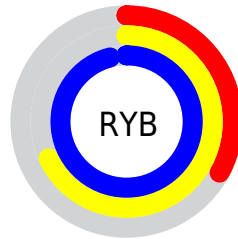
The XYZ color **47.7647, 71.2893, 72.8708** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **43.6918, 26.8600, 19.7140**, and the grayscale version is **50.3211, 52.9418, 57.6536**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **23.8561, 37.9750, 37.9708** is the 20% darker color. If you saturate the color by 10%, you get **45.3284, 70.1069, 69.5157**, and if you desaturate by 10%, it is **50.9850, 72.8771, 76.3689**.

# Distribution



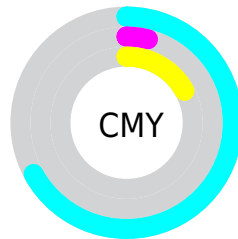
- Red (33%)
- Green (96%)
- Blue (83%)



- Red (33%)
- Yellow (68%)
- Blue (96%)



- Cyan (66%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)




- Cyan (67%)
- Magenta (4%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7647, 71.2893, 72.8708 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 47.7647, 71.2893, 72.8708 by changing the saturation by 10% instead.





 47.7647, 71.2893,  
72.8708


 47.7647, 71.2893,  
72.8708


368.4568,  
465.0641, 489.6257


 33.8511, 52.5783,  
53.3791


 86.0658, 121.0456,  
125.0130


 22.9416, 37.4663,  
37.7157


 111.1839,  
152.8596, 158.5006

 14.6708, 25.5687,  
25.4620


 140.7676,  
189.8102, 197.4906

 8.6735, 16.5013,  
16.1995

 175.1822,  
232.2816, 242.4016

 4.5842, 9.8795,  
9.5095

214.7931,  
280.6584, 293.6520

 2.0377, 5.3192,  
4.9737


259.9656,


 0.6550, 2.4357,


335.3247, 351.6605


2.1733


311.0650,  
396.6652, 416.8455


 0.0000, 0.8442,  
0.6589


 0.0000, 0.0000,  
0.0000


 47.7647, 71.2893,  
72.8708


 47.7647, 71.2893,  
72.8708


 45.3284, 70.1069,  
69.5157


 50.9850, 72.8771,  
76.3689


 43.5871, 69.2787,  
66.2937


 55.0545, 74.8987,  
80.0092


 42.4401, 68.7546,  
63.2009


 60.0384, 77.3892,  
83.7973


 42.0529, 68.5841,  
61.8690

 65.9936, 80.3782,  
87.7367

 72.9724, 83.8926,  
91.8308

 81.0234, 87.9573,  
96.0826

 90.1920, 92.5957,  
100.4953

 91.0464, 92.9455,  
104.6281

 91.6419, 93.1837,  
107.7640

# Harmonies

## Analogous

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



50.8739, 71.2893, 46.7395



47.7647, 71.2893, 72.8708



49.4873, 71.2893, 108.9012

# Triad

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



47.7647, 71.2893, 72.8708



77.9449, 71.2893, 151.1009



81.2107, 71.2893, 35.7446

# Complementary

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



47.7647, 71.2893, 72.8708



43.6918, 26.8600, 19.7140

# 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.



90.0499, 71.2893, 52.9911



47.7647, 71.2893, 72.8708



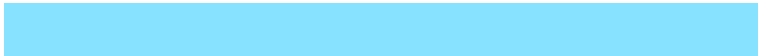
88.0177, 71.2893, 119.7753

# Square

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



47.7647, 71.2893, 72.8708



66.0784, 71.2893, 160.9014



92.6728, 71.2893, 82.5752



69.4665, 71.2893, 29.5746



# Rectangle

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



47.7647, 71.2893, 72.8708



53.2628, 71.2893, 133.2287



92.6728, 71.2893, 82.5752



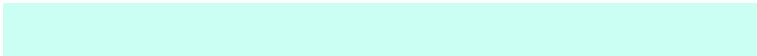
84.6707, 71.2893, 40.1456

# Sweetspot

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



47.7667, 71.2921, 72.8725



77.0640, 90.9183, 99.4582



41.5152, 69.2427, 19.5660



16.0360, 19.2292, 21.0162



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.



47.7667, 71.2921, 72.8725



49.3245, 77.1187, 75.5349



40.3344, 49.1128, 92.9449



16.8417, 18.6958, 20.4506



22.9163, 37.3114, 33.9088



2.0501, 3.2937, 3.1699



# Inverse Universe

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



43.6918, 26.8600, 19.7140



44.6085, 24.6847, 13.2643



46.8051, 35.6640, 12.8058



16.6389, 16.5384, 17.8451



20.6424, 10.6004, 2.8255

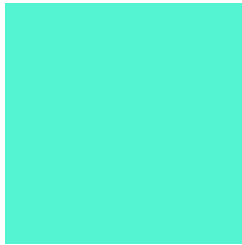


1.8499, 0.9459, 0.4360



# Previews

## White Background



This preview shows how the XYZ color 47.7647, 71.2893, 72.8708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

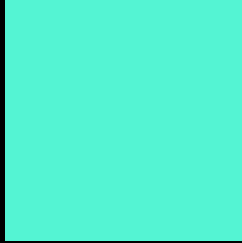
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7647, 71.2893, 72.8708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

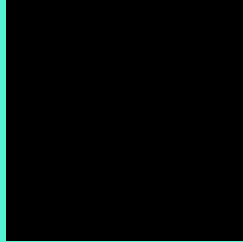
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7647, 71.2893, 72.8708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7647, 71.2893, 72.8708.



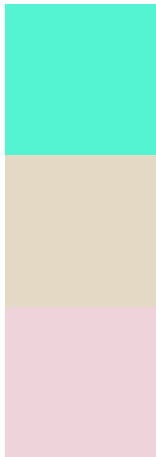
This preview shows how white text looks on a background with the XYZ color 47.7647, 71.2893,



# 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

47.7647, 71.2893, 72.8708

### Protanopia

66.5695, 69.9878, 62.8237

### Deuteranopia

71.5458, 70.0012, 76.0704



## **Tritanopia**

55.1442, 71.2991, 105.4634

# Trichromacy



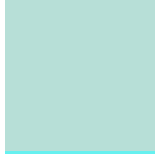
## Original Color

47.7647, 71.2893, 72.8708



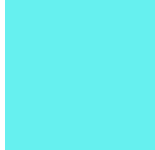
## Protanomaly

55.8090, 68.3164, 66.1221



## Deuteranomaly

58.1819, 67.7489, 74.3003



## Tritanomaly

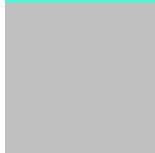
52.2196, 71.3770, 92.6862

# Monochromacy



## Original Color

47.7647, 71.2893, 72.8708



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

46.7399, 57.4844, 62.6650

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7647, 71.2893, 72.8708 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(84, 244, 211)` looks like.

```
.text, #text, p{  
    color:rgb(84, 244, 211)  
}
```

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(84, 244, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 244, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7647, 71.2893, 72.8708 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(84, 244, 211) }
```



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

```
.border{ border-color:rgb(84, 244, 211) }
```

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

Here you see how a box with a 4 pixel rgb(84, 244, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 244, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 244, 211);  
box-shadow:4px 4px 4px 4px rgb(84, 244,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7647, 71.2893, 72.8708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 244, 211) }
```

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

```
.background{ background-color: rgb(84, 244,  
211) }
```

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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