

Converting Colors

XYZ(37.7680, 48.4861, 72.8435)

Have a look what the booklet for
XYZ(37.7680, 48.4861, 72.8435)
contains.

XYZ(37.6671, 48.2895, 72.9812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.6671, 48.2895,
72.9812)**

Conversions

Conversions Part 1

Format	Color
Hex	5FC7D9
RGB	95, 199, 217
RGB Percent	37%, 78%, 85%
CMY	0.6274, 0.2196, 0.1490
CMYK	0.56, 0.08, 0.00, 0.15
HSL	189°, 62%, 61%
HSV	189°, 56%, 85%
XYZ	37.6671, 48.2895, 72.9812
YIQ	169.9560, -67.7620, -16.4500

Conversions

Conversions Part 2

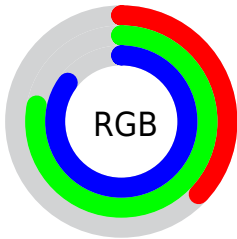
Format	Color
RYB	95, 151, 217
Decimal	6277081
CIELab	75.01, -25.01, -18.12
CIELCh	75, 30.884, 215.928
Yxy	48.2895, 0.2370, 0.3038
Android (android.graphics.Color)	4284467161 (0xFF5FC7D9)
YUV	169.9560, 23.1927, -65.7364
Hunter-Lab	69.4906, -24.8535, -13.6247

Details

The XYZ color **37.6671, 48.2895, 72.9812** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.5870, 27.3893, 14.1861**, and the grayscale version is **38.1003, 40.0845, 43.6520**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **16.8964, 22.9880, 37.7290** is the 20% darker color. If you saturate the color by 10%, you get **34.9906, 45.8287, 72.6482**, and if you desaturate by 10%, it is **40.9898, 51.1085, 73.3511**.

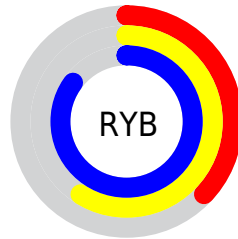
Distribution



Red (37%)

Green (78%)

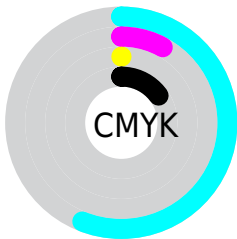
Blue (85%)



Red (37%)

Yellow (59%)

Blue (85%)

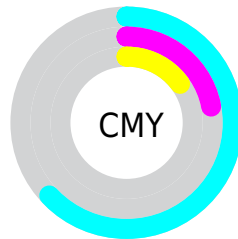


Cyan (56%)

Magenta (8%)

Yellow (0%)

Black (15%)



Cyan (63%)

Magenta (22%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6671, 48.2895, 72.9812 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 37.6671, 48.2895, 72.9812 by changing the saturation by 10% instead.

37.6671, 48.2895,
72.9812

37.6671, 48.2895,
72.9812

327.4954,
379.9385, 490.0187

25.9005, 34.0562,
53.4689

70.9048, 87.6353,
125.1712

16.8815, 22.9368,
37.7869

93.1066, 113.5166,
158.6859

10.2448, 14.5468,
25.5168

119.5174,
144.0493, 197.7052

5.6251, 8.5020,
16.2400

150.5027,
179.6179, 242.6476

2.6570, 4.4178,
9.5379

186.4278,
220.6067, 293.9316

0.9751, 1.9099,
4.9921

227.6580,

0.0000, 0.5543,

267.4001, 351.9757

2.1840

274.5588,
320.3826, 417.1986

■ 0.0000, 0.0000,
0.6651

■ 0.0000, 0.0000,
0.0000

■ 37.6671, 48.2895,
72.9812

■ 37.6671, 48.2895,
72.9812

■ 34.9906, 45.8287,
72.6482

■ 40.9898, 51.1085,
73.3511

■ 32.9022, 43.6929,
72.3460

■ 45.0017, 54.3049,
73.7566

■ 31.3407, 41.8514,
72.0728

■ 49.7472, 57.9029,
74.2010

■ 30.2278, 40.2638,
71.8251

■ 55.2660, 61.9228,
74.6860

■ 29.8708, 39.7022,
71.7355

■ 61.5944, 66.3837,
75.2135

■ 68.7667, 71.3033,
75.7851

■ 76.8151, 76.6984,
76.4022

■ 80.5857, 79.9122,
76.8238

■ 81.4574, 81.6555,
77.1144

Harmonies

Analogous

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



35.9373, 48.2895, 55.8509



37.6671, 48.2895, 72.9812



41.6164, 48.2895, 86.3253

Triad

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



37.6671, 48.2895, 72.9812



56.5242, 48.2895, 66.2868



44.7873, 48.2895, 27.3492

Complementary

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



37.6671, 48.2895, 72.9812



36.5870, 27.3893, 14.1861

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.



50.4631, 48.2895, 29.0212



37.6671, 48.2895, 72.9812



57.5469, 48.2895, 49.4375

Square

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



37.6671, 48.2895, 72.9812



52.5570, 48.2895, 81.9395



55.2476, 48.2895, 36.3848



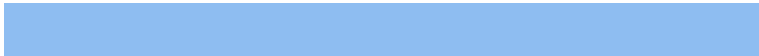
39.8261, 48.2895, 31.2325

Rectangle

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



37.6671, 48.2895, 72.9812



45.1321, 48.2895, 90.0257



55.2476, 48.2895, 36.3848



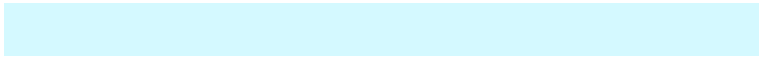
46.6719, 48.2895, 27.2926

Sweetspot

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



37.6686, 48.2913, 72.9824



78.8541, 88.6722, 107.5671



32.4173, 53.2133, 23.6801



16.5178, 18.7199, 22.9927



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.



37.6686, 48.2913, 72.9824



49.9592, 65.5909, 104.6349



26.5842, 26.1225, 69.2876



13.2727, 14.4851, 16.7485



18.1430, 24.1554, 43.4446



1.2209, 1.6559, 2.8297

Inverse Universe

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



43.0176, 27.0610, 56.9908



58.6760, 33.3256, 78.0515



45.4854, 45.1860, 17.1523



13.5275, 13.2401, 16.0390



22.6531, 11.0623, 28.8828



1.4906, 0.7259, 1.9922

Previews

White Background



This preview shows how the XYZ color 37.6671, 48.2895, 72.9812 looks on a white background.

Color Contrast Check

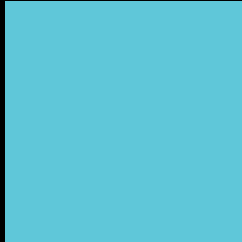
Large Text (above 18pt) WCAG AA × Fail

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 37.6671, 48.2895, 72.9812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

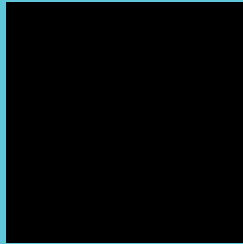
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

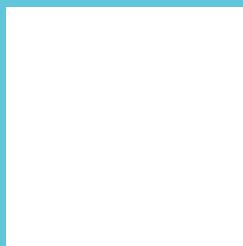
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6671, 48.2895, 72.9812

Background



This preview shows how black text looks on a background with the XYZ color 37.6671, 48.2895, 72.9812.



This preview shows how white text looks on a background with the XYZ color 37.6671, 48.2895,

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

37.6671, 48.2895, 72.9812

Protanopia

46.6909, 47.6154, 65.1223

Deuteranopia

48.6997, 47.5279, 75.0137



Tritanopia

37.3053, 48.1328, 71.6143

Trichromacy



Original Color

37.6671, 48.2895, 72.9812



Protanomaly

42.0105, 47.0091, 67.8322



Deuteranomaly

43.2397, 46.8644, 74.4769



Tritanomaly

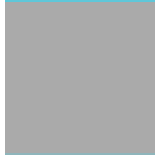
37.4342, 48.1844, 72.2933

Monochromacy



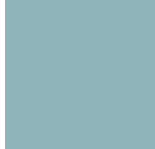
Original Color

37.6671, 48.2895, 72.9812



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.8212, 42.4752, 53.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6671, 48.2895, 72.9812 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(95, 199, 217)` looks like.

```
.text, #text, p{  
    color:rgb(95, 199, 217)  
}
```

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(95, 199, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 199, 217) }
```

Border

The CSS property to change the border of an element to XYZ 37.6671, 48.2895, 72.9812 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(95, 199, 217) }
```


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

```
.border{ border-color:rgb(95, 199, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 199, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 199, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 199, 217);  
box-shadow:4px 4px 4px 4px rgb(95, 199,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6671, 48.2895, 72.9812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 199, 217) }
```

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

```
.background{ background-color: rgb(95, 199,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor