

Converting Colors

XYZ(47.6667, 73.0769, 71.3546)

Have a look what the booklet for
XYZ(47.6667, 73.0769, 71.3546)
contains.

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Color

**XYZ(47.6251, 73.0666,
71.2677)**

Conversions

Conversions Part 1

Format	Color
Hex	48F8D0
RGB	72, 248, 208
RGB Percent	28%, 97%, 82%
CMY	0.7176, 0.0274, 0.1843
CMYK	0.71, 0.00, 0.16, 0.03
HSL	166°, 93%, 63%
HSV	166°, 71%, 97%
XYZ	47.6251, 73.0666, 71.2677
YIQ	190.8160, -92.0560, -49.7520

Conversions

Conversions Part 2

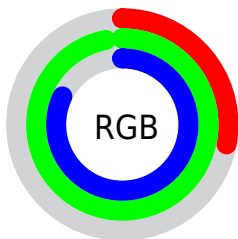
Format	Color
RYB	72, 171, 248
Decimal	4782288
CIELab	88.48, -53.21, 6.49
CIELCh	88, 53.604, 173.049
Yxy	73.0666, 0.2481, 0.3806
Android (android.graphics.Color)	4282972368 (0xFF48F8D0)
YUV	190.8160, 8.4717, -104.2016
Hunter-Lab	85.4790, -50.1360, 10.4026

Details

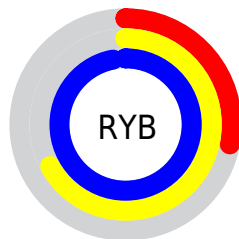
The XYZ color **47.6251, 73.0666, 71.2677** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.9559, 25.7631, 17.9883**, and the grayscale version is **49.4077, 51.9808, 56.6070**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **24.4635, 39.5947, 36.9250** is the 20% darker color. If you saturate the color by 10%, you get **45.4545, 72.0281, 67.6112**, and if you desaturate by 10%, it is **50.5696, 74.5047, 75.0924**.

Distribution



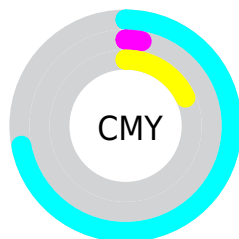
- Red (28%)
- Green (97%)
- Blue (82%)



- Red (28%)
- Yellow (67%)
- Blue (97%)



- Cyan (71%)
- Magenta (0%)
- Yellow (16%)
- Black (3%)





- Cyan (72%)
- Magenta (3%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6251, 73.0666, 71.2677 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 47.6251, 73.0666, 71.2677 by changing the saturation by 10% instead.


 47.6251, 73.0666,
71.2677


 47.6251, 73.0666,
71.2677


367.9116,
471.2456, 483.8976


 33.7401, 54.0304,
52.0775


 85.8590, 123.5718,
122.7128

 22.8560, 38.6260,
36.6842


 110.9387,
155.8095, 155.8049

 14.6073, 26.4689,
24.6692

 140.4806,
193.2166, 194.3679

 8.6288, 17.1747,
15.6140

 174.8501,
236.1774, 238.8205

 4.5550, 10.3592,
9.1000

214.4126,
285.0763, 289.5813

 2.0207, 5.6377,
4.7088

259.5335,

 0.6455, 2.6261,

340.2977, 347.0687

2.0217

310.5780,
402.2260, 411.7012

■ 0.0000, 0.9398,
0.5686

■ 0.0000, 0.0000,
0.0000

■ 47.6251, 73.0666,
71.2677

■ 47.6251, 73.0666,
71.2677

■ 45.4545, 72.0281,
67.6112

■ 50.5696, 74.5047,
75.0924


■ 43.9555, 71.3313,
64.1118


■ 54.3620, 76.3754,
79.0851


■ 43.0427, 70.9269,
61.0792

■ 59.0743, 78.7173,
83.2521


■ 64.7692, 81.5629,
87.5976

 71.5037, 84.9414,
92.1256

 79.3303, 88.8799,
96.8397

 88.2980, 93.4037,
101.7433

 92.5537, 95.4953,
106.5639

 92.8586, 95.6172,
108.1695

Harmonies

Analogous

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



51.4550, 73.0666, 44.0452



47.6251, 73.0666, 71.2677



49.0366, 73.0666, 110.7287

Triad

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



47.6251, 73.0666, 71.2677



79.6162, 73.0666, 164.4371



85.4471, 73.0666, 35.2273

Complementary

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



47.6251, 73.0666, 71.2677



43.9559, 25.7631, 17.9883

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.



94.8573, 73.0666, 54.8646



47.6251, 73.0666, 71.2677



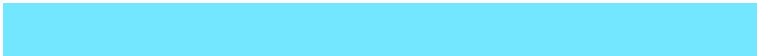
91.2104, 73.0666, 130.3431

Square

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



47.6251, 73.0666, 71.2677



66.4894, 73.0666, 172.9319



97.0872, 73.0666, 88.4656



72.4923, 73.0666, 27.8314

Rectangle

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



47.6251, 73.0666, 71.2677



52.8560, 73.0666, 138.5529



97.0872, 73.0666, 88.4656



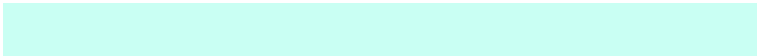
89.1919, 73.0666, 40.2572

Sweetspot

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



47.6271, 73.0694, 71.2694



76.1203, 90.4607, 98.1071



41.5582, 71.1209, 17.6697



15.8443, 19.1370, 20.7093



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.



47.6271, 73.0694, 71.2694



47.6770, 76.3802, 70.4539



40.5204, 49.9624, 96.3182



17.5871, 19.5371, 21.2922



23.3067, 38.3357, 33.2880



2.1984, 3.5665, 3.2926

Inverse Universe

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



43.9559, 25.7631, 17.9883



43.6826, 23.3588, 11.3339



46.4725, 33.6047, 10.1693



17.4062, 17.2898, 18.7287



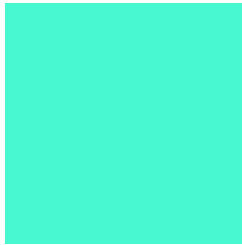
21.3459, 10.9541, 3.2642



2.0155, 1.0299, 0.5048

Previews

White Background



This preview shows how the XYZ color 47.6251, 73.0666, 71.2677 looks on a white background.

Color Contrast Check

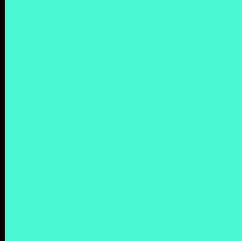
Large Text (above 18pt) WCAG AA × Fail

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 47.6251, 73.0666, 71.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

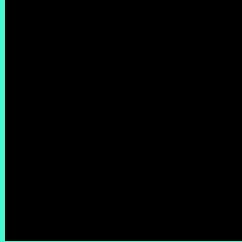
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

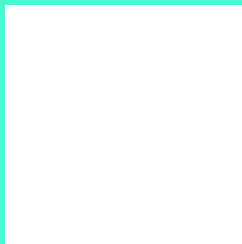
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6251, 73.0666, 71.2677

Background



This preview shows how black text looks on a background with the XYZ color 47.6251, 73.0666, 71.2677.

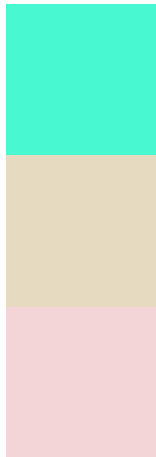


This preview shows how white text looks on a background with the XYZ color 47.6251, 73.0666, 71.2677.

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

47.6251, 73.0666, 71.2677

Protanopia

67.5903, 71.3363, 60.6590

Deuteranopia

73.1511, 71.6011, 74.9307



Tritanopia

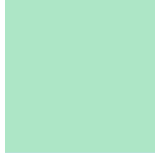
57.0820, 72.7290, 105.6373

Trichromacy



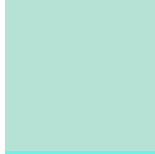
Original Color

47.6251, 73.0666, 71.2677



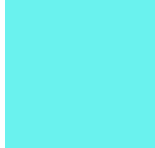
Protanomaly

55.7234, 69.5551, 63.9146



Deuteranomaly

58.2627, 69.0206, 73.2023



Tritanomaly

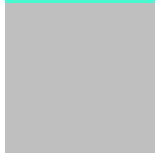
53.1286, 72.7415, 92.1293

Monochromacy



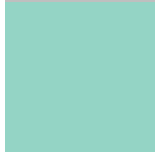
Original Color

47.6251, 73.0666, 71.2677



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.8343, 57.4141, 61.4896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6251, 73.0666, 71.2677 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(72, 248, 208)` looks like.

```
.text, #text, p{  
    color:rgb(72, 248, 208)  
}
```

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(72, 248, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 248, 208) }
```

Border

The CSS property to change the border of an element to XYZ 47.6251, 73.0666, 71.2677 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(72, 248, 208) }
```


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

```
.border{ border-color:rgb(72, 248, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 248, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 248, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 248, 208);  
box-shadow:4px 4px 4px 4px rgb(72, 248,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6251, 73.0666, 71.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 248, 208) }
```

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

```
.background{ background-color: rgb(72, 248,  
208) }
```

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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