

Converting Colors

XYZ(49.8277, 73.7648, 66.9436)

Have a look what the booklet for
XYZ(49.8277, 73.7648, 66.9436)
contains.

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Color

**XYZ(49.8668, 73.8644,
66.8873)**

Conversions

Conversions Part 1

Format	Color
Hex	6BF7C9
RGB	107, 247, 201
RGB Percent	42%, 97%, 79%
CMY	0.5804, 0.0314, 0.2118
CMYK	0.57, 0.00, 0.19, 0.03
HSL	160°, 90%, 69%
HSV	160°, 57%, 97%
XYZ	49.8668, 73.8644, 66.8873
YIQ	199.8960, -68.6740, -43.9860

Conversions

Conversions Part 2

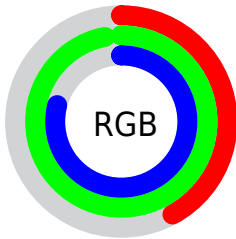
Format	Color
RYB	107, 191, 247
Decimal	7075785
CIELab	88.86, -48.71, 10.77
CIELCh	89, 49.884, 167.527
Yxy	73.8644, 0.2616, 0.3875
Android (android.graphics.Color)	4285265865 (0xFF6BF7C9)
YUV	199.8960, 0.5443, -81.4698
Hunter-Lab	85.9444, -46.8331, 14.0179

Details

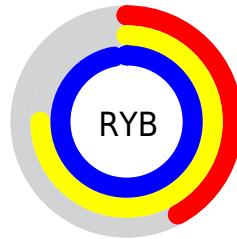
The XYZ color **49.8668, 73.8644, 66.8873** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **49.3677, 32.5913, 33.8287**, and the grayscale version is **54.8646, 57.7218, 62.8590**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **24.2756, 39.2406, 33.8985** is the 20% darker color. If you saturate the color by 10%, you get **46.3811, 72.1768, 61.8722**, and if you desaturate by 10%, it is **54.2549, 76.0152, 72.2112**.

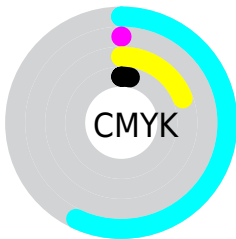
Distribution



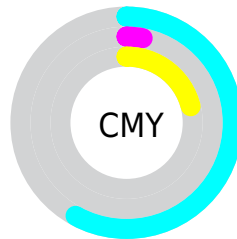
- Red (42%)
- Green (97%)
- Blue (79%)



- Red (42%)
- Yellow (75%)
- Blue (97%)



- Cyan (57%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)




- Cyan (58%)
- Magenta (3%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8668, 73.8644, 66.8873 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 49.8668, 73.8644, 66.8873 by changing the saturation by 10% instead.


 49.8668, 73.8644,
66.8873


 49.8668, 73.8644,
66.8873


376.6054,
474.0052, 468.0341


 35.5249, 54.6831,
48.5320


 89.1705, 124.7036,
116.3980

 24.2359, 39.1480,
33.8854


 114.8630,
157.1302, 148.3906

 15.6344, 26.8749,
22.5289


 145.0698,
194.7407, 185.7659

 9.3550, 17.4793,
14.0440

180.1563,
237.9195, 228.9426

 5.0324, 10.5768,
8.0122

220.4877,
287.0509, 278.3393

 2.3013, 5.7830,
4.0149


266.4295,


 0.7953, 2.7136,


342.5194, 334.3744


1.6335


318.3469,
404.7094, 397.4665


 0.0000, 0.9841,
0.3146


 0.0000, 0.0000,
0.0000


 49.8668, 73.8644,
66.8873


 49.8668, 73.8644,
66.8873


 46.3811, 72.1768,
61.8722


 54.2549, 76.0152,
72.2112


 43.7166, 70.9049,
57.1533


 59.6058, 78.6545,
77.8459


 41.7874, 70.0064,
52.7241


 65.9814, 81.8161,
83.7998


 40.4828, 69.4243,
48.5751

 73.4366, 85.5281,
90.0791

 40.1305, 69.2715,
47.2559

 82.0224, 89.8168,
96.6900

 91.7103, 94.6674,
103.6346

 92.5521, 95.0041,
108.0674

Harmonies

Analogous

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



54.4178, 73.8644, 43.3276



49.8668, 73.8644, 66.8873



50.2904, 73.8644, 102.1876

Triad

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



49.8668, 73.8644, 66.8873



77.4419, 73.8644, 162.0776



87.1012, 73.8644, 40.6366

Complementary

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



49.8668, 73.8644, 66.8873



49.3677, 32.5913, 33.8287

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.



94.7873, 73.8644, 61.9961



49.8668, 73.8644, 66.8873



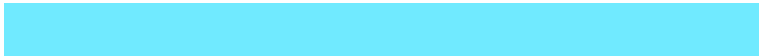
88.7857, 73.8644, 134.2749

Square

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



49.8668, 73.8644, 66.8873



65.3041, 73.8644, 164.5142



95.4369, 73.8644, 95.6779



75.3470, 73.8644, 31.3626

Rectangle

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



49.8668, 73.8644, 66.8873



53.3371, 73.8644, 128.1767



95.4369, 73.8644, 95.6779



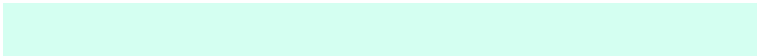
90.3020, 73.8644, 46.3069

Sweetspot

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



49.8688, 73.8673, 66.8890



78.6513, 91.8014, 96.6020



49.1800, 74.4235, 25.6842



16.4706, 19.4678, 20.3805



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.



49.8688, 73.8673, 66.8890



49.4007, 77.3742, 65.7709



49.4204, 62.9763, 97.5500



16.7516, 18.6598, 19.9764



21.2911, 36.6613, 25.3506



1.9185, 3.2411, 2.4770

Inverse Universe

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



49.3677, 32.5913, 33.8287



48.8566, 29.0862, 27.3036



49.0410, 36.8918, 18.4472



16.7236, 16.5723, 18.2913



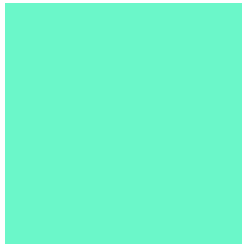
21.1330, 10.7966, 5.4086



1.9028, 0.9671, 0.7147

Previews

White Background



This preview shows how the XYZ color 49.8668, 73.8644, 66.8873 looks on a white background.

Color Contrast Check

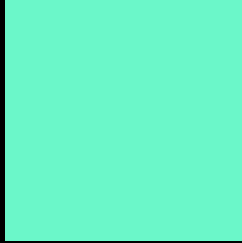
Large Text (above 18pt) WCAG AA × Fail

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 49.8668, 73.8644, 66.8873 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 49.8668, 73.8644, 66.8873

Background



This preview shows how black text looks on a background with the XYZ color 49.8668, 73.8644, 66.8873.

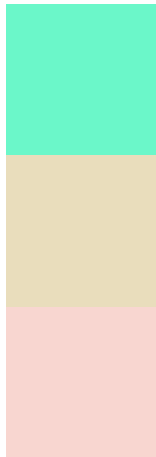


This preview shows how white text looks on a background with the XYZ color 49.8668, 73.8644,

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

49.8668, 73.8644, 66.8873

Protanopia

68.5378, 72.6674, 57.9908

Deuteranopia

74.1431, 72.6037, 69.7807



Tritanopia

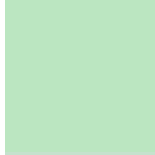
58.9816, 73.2773, 105.6430

Trichromacy



Original Color

49.8668, 73.8644, 66.8873



Protanomaly

58.4160, 71.0087, 61.0793



Deuteranomaly

61.2418, 70.6708, 68.1707



Tritanomaly

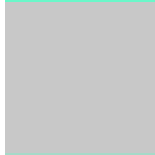
55.2031, 73.4208, 89.8594

Monochromacy



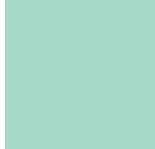
Original Color

49.8668, 73.8644, 66.8873



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.9641, 61.9028, 63.9059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8668, 73.8644, 66.8873 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(107, 247, 201)` looks like.

```
.text, #text, p{  
    color:rgb(107, 247, 201)  
}
```

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(107, 247, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 247, 201) }
```

Border

The CSS property to change the border of an element to XYZ 49.8668, 73.8644, 66.8873 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(107, 247, 201) }
```


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

```
.border{ border-color:rgb(107, 247, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 247, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 247, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 247, 201);  
box-shadow:4px 4px 4px 4px rgb(107, 247,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8668, 73.8644, 66.8873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 247, 201) }
```

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

```
.background{ background-color: rgb(107,  
247, 201) }
```

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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