

Converting Colors

XYZ(49.7590, 74.7513, 71.4194)

Have a look what the booklet for
XYZ(49.7590, 74.7513, 71.4194)
contains.

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Color

**XYZ(49.6745, 74.5807,
71.4519)**

Conversions

Conversions Part 1

Format	Color
Hex	5CF9D0
RGB	92, 249, 208
RGB Percent	36%, 98%, 82%
CMY	0.6392, 0.0235, 0.1843
CMYK	0.63, 0.00, 0.16, 0.02
HSL	164°, 93%, 67%
HSV	164°, 63%, 98%
XYZ	49.6745, 74.5807, 71.4519
YIQ	197.3830, -80.4110, -46.0350

Conversions

Conversions Part 2

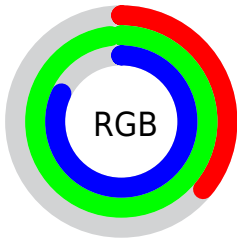
Format	Color
R_{YB}	92, 182, 249
Decimal	6093264
CIE _{Lab}	89.20, -50.68, 7.57
CIE _{LCh}	89, 51.245, 171.501
Yxy	74.5807, 0.2538, 0.3811
Android (android.graphics.Color)	4284283344 (0xFF5CF9D0)
YUV	197.3830, 5.2342, -92.4209
Hunter-Lab	86.3601, -48.4567, 11.3972

Details

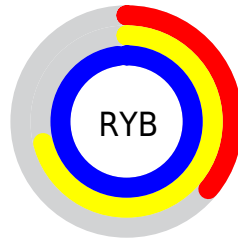
The XYZ color **49.6745, 74.5807, 71.4519** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **47.1302, 29.4895, 25.4013**, and the grayscale version is **53.3086, 56.0848, 61.0764**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **24.6824, 40.0324, 36.9980** is the 20% darker color. If you saturate the color by 10%, you get **46.8003, 73.1914, 67.2273**, and if you desaturate by 10%, it is **53.4027, 76.4102, 75.8910**.

Distribution



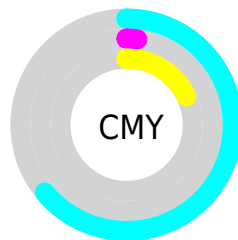
- Red (36%)
- Green (98%)
- Blue (82%)



- Red (36%)
- Yellow (71%)
- Blue (98%)



- Cyan (63%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (64%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6745, 74.5807, 71.4519 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 49.6745, 74.5807, 71.4519 by changing the saturation by 10% instead.


 49.6745, 74.5807,
71.4519


 49.6745, 74.5807,
71.4519

375.8647,
476.4751, 484.5578


 35.3716, 55.2695,
52.2270


 88.8871, 125.7186,
122.9774


 24.1171, 39.6175,
36.8025


 114.5275,
158.3141, 156.1151

 15.5457, 27.2404,
24.7600


 144.6778,
196.1065, 194.7274

 9.2921, 17.7539,
15.6810

 179.7033,
239.4801, 239.2329

 4.9908, 10.7734,
9.1468

219.9694,
288.8194, 290.0502

 2.2766, 5.9147,
4.7389

265.8414,

 0.7826, 2.7933,

344.5087, 347.5977

2.0389

317.6848,
406.9325, 412.2941

0.0000, 1.0248,
0.5790

0.0000, 0.0000,
0.0000

49.6745, 74.5807,
71.4519

49.6745, 74.5807,
71.4519

46.8003, 73.1914,
67.2273

53.4027, 76.4102,
75.8910

44.6900, 72.1904,
63.2060


58.0514, 78.7085,
80.5449


43.2439, 71.5280,
59.3830


63.6873, 81.5118,
85.4202


42.5259, 71.2134,
56.8370

70.3693, 84.8505,
90.5216

 78.1514, 88.7524,
95.8535

 87.0838, 93.2433,
101.4201

 92.9301, 96.1391,
107.0250

 93.1669, 96.2338,
108.2723

Harmonies

Analogous

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



53.6918, 74.5807, 45.4523



49.6745, 74.5807, 71.4519



50.7941, 74.5807, 109.1366

Triad

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



49.6745, 74.5807, 71.4519



80.0656, 74.5807, 163.5579



86.9252, 74.5807, 38.3703

Complementary

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



49.6745, 74.5807, 71.4519



47.1302, 29.4895, 25.4013

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.



95.6820, 74.5807, 58.4999



49.6745, 74.5807, 71.4519



91.4090, 74.5807, 132.0314

Square

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



49.6745, 74.5807, 71.4519



67.3937, 74.5807, 170.0765



97.4128, 74.5807, 91.8091



74.4984, 74.5807, 30.3809

Rectangle

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



49.6745, 74.5807, 71.4519



54.3672, 74.5807, 135.8881



97.4128, 74.5807, 91.8091



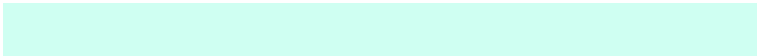
90.4534, 74.5807, 43.6017

Sweetspot

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



49.6766, 74.5836, 71.4536



77.4457, 91.1523, 97.7900



45.6201, 73.5845, 21.9254



16.0906, 19.2669, 20.5897



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.



49.6766, 74.5836, 71.4536



48.6423, 76.8967, 69.6490



45.1501, 56.3882, 98.1301



17.5609, 19.5266, 21.1542



22.8240, 38.1426, 30.7461



2.1573, 3.5500, 3.0761

Inverse Universe

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



47.1302, 29.4895, 25.4013



45.8337, 25.7846, 17.8360



48.8032, 36.5189, 14.6033



17.4307, 17.2996, 18.8577



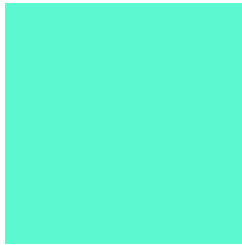
21.4723, 11.0046, 3.9294



2.0302, 1.0358, 0.5825

Previews

White Background



This preview shows how the XYZ color 49.6745, 74.5807, 71.4519 looks on a white background.

Color Contrast Check

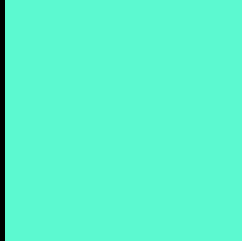
Large Text (above 18pt) WCAG AA × Fail

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 49.6745, 74.5807, 71.4519 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 49.6745, 74.5807, 71.4519

Background



This preview shows how black text looks on a background with the XYZ color 49.6745, 74.5807, 71.4519.

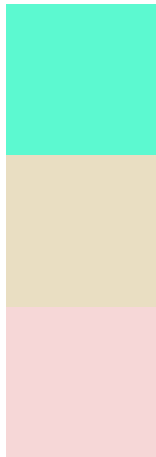


This preview shows how white text looks on a background with the XYZ color 49.6745, 74.5807,

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

49.6745, 74.5807, 71.4519

Protanopia

69.4632, 73.4612, 61.5573

Deuteranopia

74.5722, 73.1000, 74.4693



Tritanopia

59.2720, 73.8580, 105.7398

Trichromacy



Original Color

49.6745, 74.5807, 71.4519



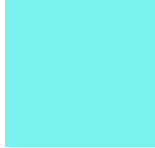
Protanomaly

58.4568, 71.7818, 64.8071



Deuteranomaly

60.5880, 70.6388, 72.7287



Tritanomaly

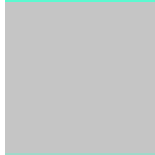
55.2108, 73.8149, 92.2267

Monochromacy



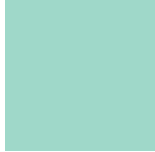
Original Color

49.6745, 74.5807, 71.4519



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.3966, 60.6997, 64.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6745, 74.5807, 71.4519 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(92, 249, 208)` looks like.

```
.text, #text, p{  
    color:rgb(92, 249, 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(92, 249, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 249, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.6745, 74.5807, 71.4519 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(92, 249, 208) }
```


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

```
.border{ border-color:rgb(92, 249, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 249, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 249, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 249, 208);  
box-shadow:4px 4px 4px 4px rgb(92, 249,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6745, 74.5807, 71.4519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 249, 208) }
```

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

```
.background{ background-color: rgb(92, 249,  
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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