

Converting Colors

XYZ(49.7557, 75.0571, 70.6085)

Have a look what the booklet for
XYZ(49.7557, 75.0571, 70.6085)
contains.

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Color

**XYZ(49.8617, 75.1515,
70.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	5CFACF
RGB	92, 250, 207
RGB Percent	36%, 98%, 81%
CMY	0.6392, 0.0196, 0.1882
CMYK	0.63, 0.00, 0.17, 0.02
HSL	164°, 94%, 67%
HSV	164°, 63%, 98%
XYZ	49.8617, 75.1515, 70.9092
YIQ	197.8560, -80.3650, -46.8690

Conversions

Conversions Part 2

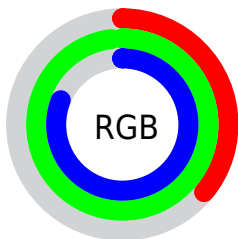
Format	Color
R_{YB}	92, 183, 250
Decimal	6093519
CIE _{Lab}	89.46, -51.33, 8.48
CIE _{LCh}	89, 52.026, 170.623
Yxy	75.1515, 0.2545, 0.3836
Android (android.graphics.Color)	4284283599 (0xFF5CFACF)
YUV	197.8560, 4.5080, -92.8357
Hunter-Lab	86.6900, -49.0391, 12.1859

Details

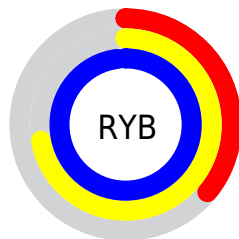
The XYZ color **49.8617, 75.1515, 70.9092** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **47.6271, 29.7295, 26.1526**, and the grayscale version is **53.5995, 56.3908, 61.4096**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **24.8197, 40.4398, 36.6345** is the 20% darker color. If you saturate the color by 10%, you get **46.9504, 73.7466, 66.5248**, and if you desaturate by 10%, it is **53.6367, 77.0012, 75.5245**.

Distribution



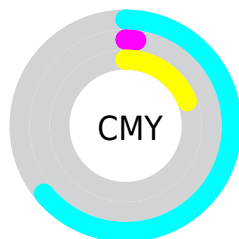
- Red (36%)
- Green (98%)
- Blue (81%)



- Red (36%)
- Yellow (72%)
- Blue (98%)



- Cyan (63%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (64%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8617, 75.1515, 70.9092 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 49.8617, 75.1515, 70.9092 by changing the saturation by 10% instead.


 49.8617, 75.1515,
70.9092


 49.8617, 75.1515,
70.9092


376.5858,
478.4381, 482.6111


 35.5209, 55.7370,
51.7867


 89.1630, 126.5268,
122.1977


 24.2328, 39.9921,
36.4540


 114.8541,
159.2564, 155.2008

 15.6321, 27.5324,
24.4926


 145.0595,
197.1931, 193.6678

 9.3534, 17.9735,
15.4839

 180.1443,
240.7215, 238.0173

 5.0313, 10.9309,
9.0093

220.4740,
290.2257, 288.6678

 2.3006, 6.0204,
4.6503

266.4139,

 0.7950, 2.8575,

346.0903, 346.0380

1.9885

318.3294,
408.6997, 410.5462

0.0000, 1.0578,
0.5482

0.0000, 0.0000,
0.0000

49.8617, 75.1515,
70.9092

49.8617, 75.1515,
70.9092

46.9504, 73.7466,
66.5248

53.6367, 77.0012,
75.5245

44.8115, 72.7340,
62.3597


58.3426, 79.3248,
80.3712


43.3438, 72.0633,
58.4086

64.0471, 82.1590,
85.4563


42.6264, 71.7496,
55.8373

70.8097, 85.5343,
90.7848

 78.6851, 89.4789,
96.3615

 87.7241, 94.0190,
102.1909

 93.4177, 96.8301,
108.0640

 93.4769, 96.8538,
108.3756

Harmonies

Analogous

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



54.0995, 75.1515, 44.8669



49.8617, 75.1515, 70.9092



50.8470, 75.1515, 109.1432

Triad

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



49.8617, 75.1515, 70.9092



80.4203, 75.1515, 166.7370



88.1451, 75.1515, 38.6572

Complementary

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



49.8617, 75.1515, 70.9092



47.6271, 29.7295, 26.1526

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.



96.9286, 75.1515, 59.4975



49.8617, 75.1515, 70.9092



92.1132, 75.1515, 134.9641

Square

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



49.8617, 75.1515, 70.9092



67.5077, 75.1515, 172.5290



98.4614, 75.1515, 93.8121



75.4998, 75.1515, 30.2507

Rectangle

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



49.8617, 75.1515, 70.9092



54.3850, 75.1515, 136.6052



98.4614, 75.1515, 93.8121



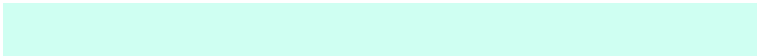
91.7074, 75.1515, 44.0870

Sweetspot

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



49.8638, 75.1545, 70.9110



77.3656, 91.1203, 97.3680



46.3980, 74.4457, 22.0505



16.0710, 19.2590, 20.4869



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.



49.8638, 75.1545, 70.9110



48.3876, 76.7948, 68.3075



46.1674, 58.1725, 99.2410



17.5524, 19.5232, 21.1095



22.6731, 38.0822, 29.9514



2.1443, 3.5448, 3.0080

Inverse Universe

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



47.6271, 29.7295, 26.1526



45.9536, 25.8326, 18.4676



48.8492, 36.0803, 14.5160



17.4387, 17.3028, 18.8997



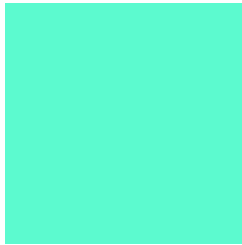
21.5174, 11.0227, 4.1670



2.0353, 1.0379, 0.6094

Previews

White Background



This preview shows how the XYZ color 49.8617, 75.1515, 70.9092 looks on a white background.

Color Contrast Check

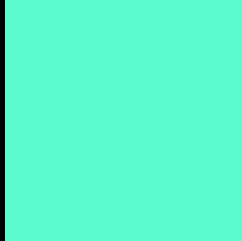
Large Text (above 18pt) WCAG AA × Fail

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 49.8617, 75.1515, 70.9092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

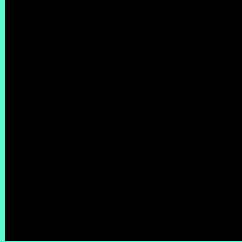
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8617, 75.1515, 70.9092

Background



This preview shows how black text looks on a background with the XYZ color 49.8617, 75.1515, 70.9092.

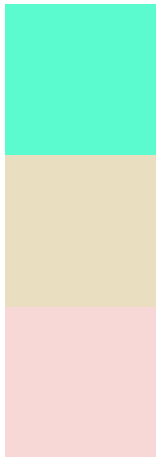


This preview shows how white text looks on a background with the XYZ color 49.8617, 75.1515,

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

49.8617, 75.1515, 70.9092

Protanopia

69.6786, 73.5852, 60.9830

Deuteranopia

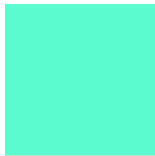
75.4049, 73.9232, 73.9127



Tritanopia

60.2442, 74.7926, 105.8690

Trichromacy



Original Color

49.8617, 75.1515, 70.9092



Protanomaly

58.3411, 71.7355, 64.1975



Deuteranomaly

60.9871, 71.2663, 72.1694



Tritanomaly

55.7954, 74.5593, 92.3396

Monochromacy



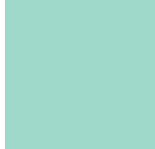
Original Color

49.8617, 75.1515, 70.9092



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.6535, 61.2137, 64.4567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8617, 75.1515, 70.9092 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, 250, 207)` looks like.

```
.text, #text, p{  
    color:rgb(92, 250, 207)  
}
```

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, 250, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 250, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.8617, 75.1515, 70.9092 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, 250, 207) }
```


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

```
.border{ border-color:rgb(92, 250, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 250, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 250, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 250, 207);  
box-shadow:4px 4px 4px 4px rgb(92, 250,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8617, 75.1515, 70.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 250, 207) }
```

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

```
.background{ background-color: rgb(92, 250,  
207) }
```

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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