

Converting Colors

XYZ(49.5281, 67.0128, 75.2964)

Have a look what the booklet for
XYZ(49.5281, 67.0128, 75.2964)
contains.

| | |
|--|----|
| XYZ(49.4197, 66.8820, 75.2706) | 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(49.4197, 66.8820,
75.2706)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7BE8D8 |
| RGB | 123, 232, 216 |
| RGB Percent | 48%, 91%, 85% |
| CMY | 0.5176, 0.0902, 0.1529 |
| CMYK | 0.47, 0.00, 0.07, 0.09 |
| HSL | 171°, 70%, 70% |
| HSV | 171°, 47%, 91% |
| XYZ | 49.4197, 66.8820, 75.2706 |
| YIQ | 197.5850, -59.8280, -28.0840 |

Conversions

Conversions Part 2

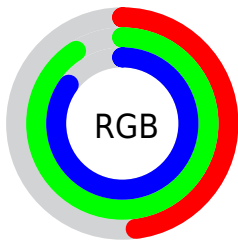
| Format | Color |
|-------------------------------------|--|
| RYB | 123, 182, 232 |
| Decimal | 8120536 |
| CIELab | 85.44, -35.20, -1.94 |
| CIELCh | 85, 35.254, 183.151 |
| Yxy | 66.8820, 0.2580, 0.3491 |
| Android (android.graphics.Color) | 4286310616 (0xFF7BE8D8) |
| YUV | 197.5850, 9.0786, -65.4110 |
| Hunter-Lab | 81.7814, -35.2517, 2.6772 |

Details

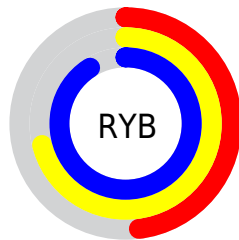
The XYZ color **49.4197, 66.8820, 75.2706** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.0242, 33.1878, 28.4615**, and the grayscale version is **53.3991, 56.1800, 61.1800**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **23.9450, 34.6480, 39.1439** is the 20% darker color. If you saturate the color by 10%, you get **46.0506, 65.1971, 72.8393**, and if you desaturate by 10%, it is **53.5882, 68.9812, 77.7899**.

Distribution



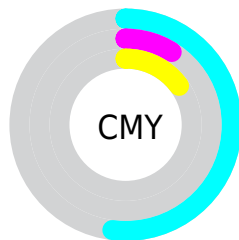
- Red (48%)
- Green (91%)
- Blue (85%)



- Red (48%)
- Yellow (71%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (52%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4197, 66.8820, 75.2706 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 49.4197, 66.8820, 75.2706 by changing the saturation by 10% instead.


 49.4197, 66.8820,
75.2706


 49.4197, 66.8820,
75.2706


374.8819,
449.5246, 498.1274


 35.1684, 48.9887,
55.3315


 88.5115, 114.7513,
128.4460

 23.9598, 34.6105,
39.2668


 114.0827,
145.4962, 162.5193

 15.4284, 23.3630,
26.6579


 144.1579,
181.2936, 202.1412

 9.2088, 14.8618,
17.0863

179.1025,
222.5282, 247.7302

 4.9358, 8.7224,
10.1335

219.2819,
269.5841, 299.7047

 2.2440, 4.5606,
5.3808

265.0613,

 0.7658, 1.9918,

322.8460, 358.4834

2.4097

316.8062,
382.6980, 424.4848

■ 0.0000, 0.6027,
0.7917

■ 0.0000, 0.0000,
0.0000

■ 49.4197, 66.8820,
75.2706

■ 49.4197, 66.8820,
75.2706

■ 46.0506, 65.1971,
72.8393

■ 53.5882, 68.9812,
77.7899

■ 43.4185, 63.8896,
70.4883


■ 58.6012, 71.5130,
80.3953


■ 41.4615, 62.9290,
68.2161


■ 64.5073, 74.5042,
83.0906


■ 40.1045, 62.2766,
66.0187


■ 71.3498, 77.9770,
85.8783


 39.2508, 61.8828,
63.8914


 79.1691, 81.9523,
88.7604

 39.0442, 61.7900,
63.2607

 85.3017, 85.0570,
91.6126

 85.8027, 85.2574,
94.2506

 86.3131, 85.4616,
96.9386

 86.8331, 85.6696,
99.6769

Harmonies

Analogous

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



50.8143, 66.8820, 54.6909



49.4197, 66.8820, 75.2706



51.5458, 66.8820, 99.6551

Triad

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



49.4197, 66.8820, 75.2706



72.3536, 66.8820, 116.2616



70.7695, 66.8820, 40.1771

Complementary

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



49.4197, 66.8820, 75.2706



45.0242, 33.1878, 28.4615

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.



77.3308, 66.8820, 51.2995



49.4197, 66.8820, 75.2706



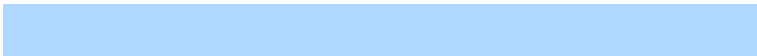
78.2979, 66.8820, 94.5762

Square

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



49.4197, 66.8820, 75.2706



64.4183, 66.8820, 126.2336



80.1908, 66.8820, 70.4293



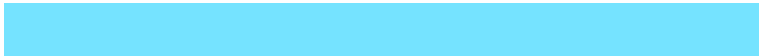
62.7279, 66.8820, 37.1103

Rectangle

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



49.4197, 66.8820, 75.2706



54.7871, 66.8820, 114.0496



80.1908, 66.8820, 70.4293



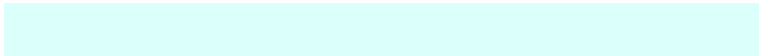
73.2432, 66.8820, 42.9637

Sweetspot

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



49.4216, 66.8846, 75.2722



82.2813, 93.5137, 103.9577



43.1399, 64.6651, 28.9483



17.2354, 19.8250, 22.0926



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.



49.4216, 66.8846, 75.2722



57.3240, 80.9204, 90.4667



41.9944, 48.5564, 83.5058



14.7117, 16.2981, 18.0125



21.7117, 34.3168, 35.3119



1.6293, 2.5459, 2.7407

Inverse Universe

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



45.0242, 33.1878, 28.4615



51.3013, 34.5905, 26.2227



49.6273, 44.1303, 24.6428



14.4628, 14.4023, 15.3714



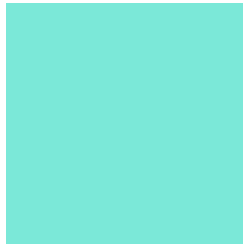
18.6638, 9.5997, 1.8586



1.4063, 0.7202, 0.2799

Previews

White Background



This preview shows how the XYZ color 49.4197, 66.8820, 75.2706 looks on a white background.

Color Contrast Check

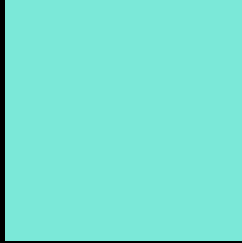
Large Text (above 18pt) WCAG AA × Fail

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 49.4197, 66.8820, 75.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

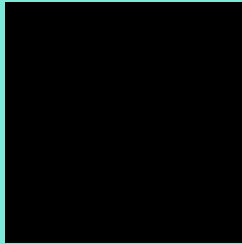
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

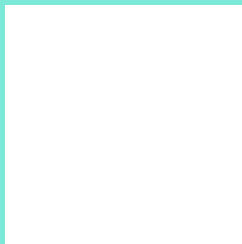
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4197, 66.8820, 75.2706

Background



This preview shows how black text looks on a background with the XYZ color 49.4197, 66.8820, 75.2706.



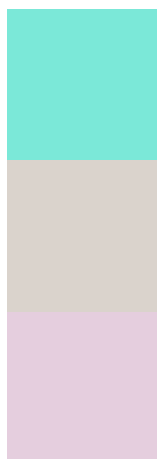
This preview shows how white text looks on a background with the XYZ color 49.4197, 66.8820,

75.2706.

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

49.4197, 66.8820, 75.2706

Protanopia

63.1068, 65.8536, 66.5117

Deuteranopia

67.5692, 66.0746, 78.2996



Tritanopia

53.8937, 67.0462, 97.2895

Trichromacy



Original Color

49.4197, 66.8820, 75.2706



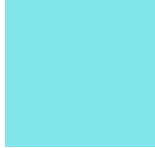
Protanomaly

56.2451, 65.2844, 69.3112



Deuteranomaly

58.4539, 64.7153, 77.1206



Tritanomaly

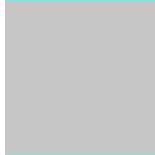
52.0680, 66.7039, 88.7281

Monochromacy



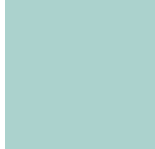
Original Color

49.4197, 66.8820, 75.2706



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.8606, 59.1589, 66.4958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4197, 66.8820, 75.2706 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(123, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(123, 232, 216)  
}
```

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(123, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 232, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.4197, 66.8820, 75.2706 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(123, 232, 216) }
```


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

```
.border{ border-color:rgb(123, 232, 216) }
```

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

Here you see how a box with a 4 pixel rgb(123, 232, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(123, 232,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4197, 66.8820, 75.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 232, 216) }
```

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

```
.background{ background-color: rgb(123,  
232, 216) }
```

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