

Converting Colors

XYZ(49.5984, 68.2902,
105.1750)

Have a look what the booklet for
XYZ(49.5984, 68.2902, 105.1750)
contains.

XYZ(49.6994, 68.4922, 105.2086)	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(49.6994, 68.4922,
105.2086)**

Conversions

Conversions Part 1

Format	Color
Hex	33EDFF
RGB	51, 237, 255
RGB Percent	20%, 93%, 100%
CMY	0.7999, 0.0706, 0.0000
CMYK	0.80, 0.07, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 80%, 100%
XYZ	49.6994, 68.4922, 105.2086
YIQ	183.4380, -116.6340, -33.8340

Conversions

Conversions Part 2

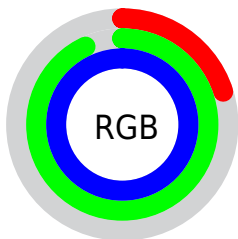
Format	Color
R _{YB}	51, 148, 255
Decimal	3403263
CIE Lab	86.25, -37.92, -21.43
CIE LCh	86, 43.559, 209.467
Yxy	68.4922, 0.2225, 0.3066
Android (android.graphics.Color)	4281593343 (0xFF33EDFF)
YUV	183.4380, 35.2801, -116.1481
Hunter-Lab	82.7600, -37.6364, -17.4404

Details

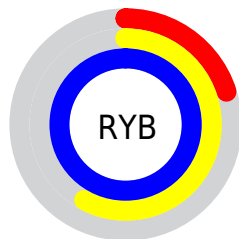
The XYZ color **49.6994, 68.4922, 105.2086** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.9669, 25.7572, 5.7884**, and the grayscale version is **45.1120, 47.4613, 51.6854**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.7169, 37.1250, 59.1838** is the 20% darker color. If you saturate the color by 10%, you get **48.1016, 66.7090, 104.9486**, and if you desaturate by 10%, it is **52.0125, 70.6592, 105.5050**.

Distribution



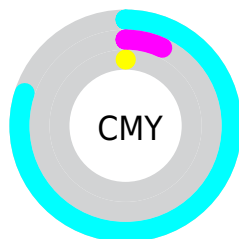
- Red (20%)
- Green (93%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6994, 68.4922, 105.2086 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 49.6994, 68.4922, 105.2086 by changing the saturation by 10% instead.


 49.6994, 68.4922,
105.2086


 49.6994, 68.4922,
105.2086

375.9607,
455.2379, 598.1547

 35.3914, 50.2983,
80.0165


 88.9238, 117.0560,
170.4108


 24.1325, 35.6504,
59.2057


 114.5710,
148.1946, 211.2580

 15.5572, 24.1644,
42.3576

 144.7286,
184.4170, 258.1607

 9.3002, 15.4556,
29.0538

 179.7620,
226.1074, 311.5374

 4.9962, 9.1397,
18.8756

220.0366,
273.6503, 371.8065

 2.2798, 4.8324,
11.4045

265.9176,

 0.7843, 2.1493,

327.4301, 439.3868

6.2220

317.7705,
387.8312, 514.6967

■ 0.0000, 0.6921,
2.9096

■ 0.0000, 0.0000,
1.0487

■ 49.6994, 68.4922,
105.2086

■ 49.6994, 68.4922,
105.2086

■ 48.1016, 66.7090,
104.9486

■ 52.0125, 70.6592,
105.5050

■ 47.0489, 65.2174,
104.7162

■ 55.1359, 73.2546,
105.8413

■ 47.0482, 65.2164,
104.7161

■ 59.1561, 76.3245,
106.2220

■ 64.1468, 79.9071,
106.6505

70.1742, 84.0364,
107.1298

77.2986, 88.7435,
107.6629

85.5756, 94.0573,
108.2523

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



47.6434, 68.4922, 74.0635



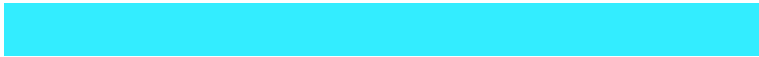
49.6994, 68.4922, 105.2086



55.7779, 68.4922, 133.0424

Triad

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



49.6994, 68.4922, 105.2086



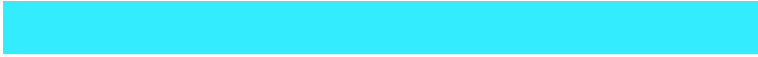
83.1807, 68.4922, 106.3326



65.2794, 68.4922, 31.8321

Complementary

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



49.6994, 68.4922, 105.2086



43.9669, 25.7572, 5.7884

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.



75.4063, 68.4922, 36.3767



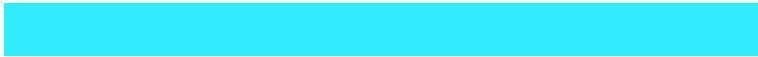
49.6994, 68.4922, 105.2086



86.3711, 68.4922, 75.0916

Square

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



49.6994, 68.4922, 105.2086



75.0640, 68.4922, 133.8000



83.3922, 68.4922, 50.5545



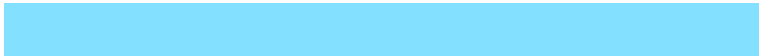
56.0589, 68.4922, 36.0591

Rectangle

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



49.6994, 68.4922, 105.2086



61.6348, 68.4922, 143.1949



83.3922, 68.4922, 50.5545



68.6923, 68.4922, 32.3617

Sweetspot

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



49.7013, 68.4946, 105.2090



74.3084, 86.7861, 107.4427



38.1700, 72.6418, 17.4810



15.3686, 18.2204, 22.9568



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.



49.7013, 68.4946, 105.2090



47.4306, 65.7916, 104.8069



28.2218, 25.5355, 98.0491



18.4098, 20.1911, 23.1769



24.6404, 34.1905, 54.7353



2.4377, 3.4061, 5.3422

Inverse Universe

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



57.7112, 29.7438, 82.8228



56.1162, 27.3876, 79.7211



56.2141, 50.2514, 9.8707



18.7195, 18.2711, 22.4059



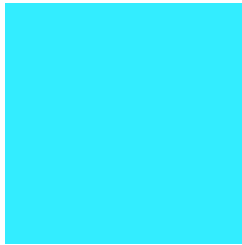
29.2256, 14.1795, 41.4338



2.8651, 1.3884, 4.1367

Previews

White Background



This preview shows how the XYZ color 49.6994, 68.4922, 105.2086 looks on a white background.

Color Contrast Check

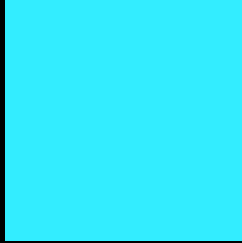
Large Text (above 18pt) WCAG AA × Fail

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 49.6994, 68.4922, 105.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

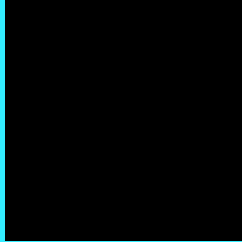
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6994, 68.4922, 105.2086

Background



This preview shows how black text looks on a background with the XYZ color 49.6994, 68.4922, 105.2086.

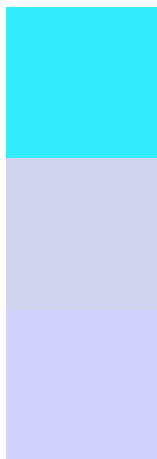


This preview shows how white text looks on a background with the XYZ color 49.6994, 68.4922,

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

49.6994, 68.4922, 105.2086

Protanopia

65.7018, 67.0206, 91.1348

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

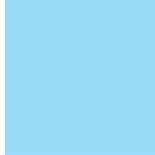
50.2254, 68.3347, 105.1505

Trichromacy



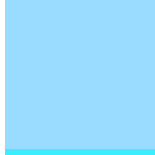
Original Color

49.6994, 68.4922, 105.2086



Protanomaly

55.2868, 64.9809, 96.0148



Deuteranomaly

56.7801, 65.1787, 104.1959



Tritanomaly

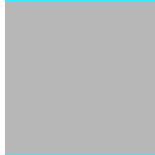
49.9089, 68.1716, 105.1357

Monochromacy



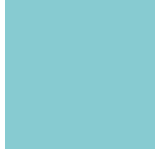
Original Color

49.6994, 68.4922, 105.2086



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.8562, 52.4662, 68.1898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6994, 68.4922, 105.2086 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(51, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 237, 255)  
}
```

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(51, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6994, 68.4922, 105.2086 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(51, 237, 255) }
```


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

```
.border{ border-color:rgb(51, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6994, 68.4922, 105.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 237, 255) }
```

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

```
.background{ background-color: rgb(51, 237,  
255) }
```

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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