

Converting Colors

XYZ(49.2491, 66.6685,
104.8803)

Have a look what the booklet for
XYZ(49.2491, 66.6685, 104.8803)
contains.

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Color

**XYZ(49.1755, 66.5220,
104.8559)**

Conversions

Conversions Part 1

Format	Color
Hex	3EE9FF
RGB	62, 233, 255
RGB Percent	24%, 91%, 100%
CMY	0.7568, 0.0863, 0.0000
CMYK	0.76, 0.09, 0.00, 0.00
HSL	187°, 100%, 62%
HSV	187°, 76%, 100%
XYZ	49.1755, 66.5220, 104.8559
YIQ	184.3790, -108.9780, -29.4100

Conversions

Conversions Part 2

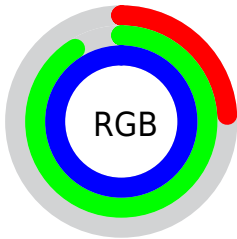
Format	Color
R _{YB}	62, 153, 255
Decimal	4123135
CIE _{Lab}	85.26, -35.08, -22.91
CIE _{LCh}	85, 41.898, 213.154
Yxy	66.5220, 0.2230, 0.3016
Android (android.graphics.Color)	4282313215 (0xFF3EE9FF)
YUV	184.3790, 34.8162, -107.3264
Hunter-Lab	81.5610, -35.1090, -19.1313

Details

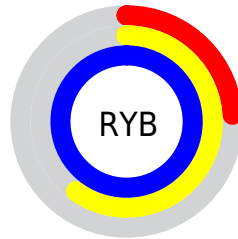
The XYZ color **49.1755, 66.5220, 104.8559** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.2811, 27.9503, 7.5679**, and the grayscale version is **45.6291, 48.0054, 52.2779**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **47.1194, 64.2520, 104.5262**, and if you desaturate by 10%, it is **51.9982, 69.2101, 105.2260**.

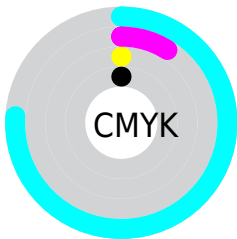
Distribution



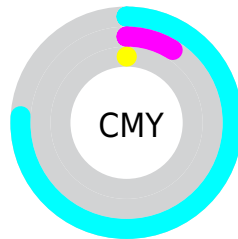
- Red (24%)
- Green (91%)
- Blue (100%)



- Red (24%)
- Yellow (60%)
- Blue (100%)



- Cyan (76%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1755, 66.5220, 104.8559 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 49.1755, 66.5220, 104.8559 by changing the saturation by 10% instead.

49.1755, 66.5220,
104.8559

49.1755, 66.5220,
104.8559

373.9383,
448.2414, 597.0306

34.9738, 48.6963,
79.7227

88.1512, 114.2352,
169.9243

23.8091, 34.3786,
58.9653

113.6560,
144.8915, 210.6965

15.3161, 23.1846,
42.1654

143.6591,
180.5934, 257.5189

9.1293, 14.7299,
28.9043

178.5260,
221.7254, 310.8098

4.8834, 8.6300,
18.7635

218.6220,
268.6718, 370.9879

2.2131, 4.5007,
11.3244

264.3125,

0.7496, 1.9574,

321.8170, 438.4717

6.1686

315.9628,
381.5454, 513.6798

■ 0.0000, 0.5825,
2.8774

■ 0.0000, 0.0000,
1.0324

■ 49.1755, 66.5220,
104.8559

■ 49.1755, 66.5220,
104.8559

■ 47.1194, 64.2520,
104.5262

■ 51.9982, 69.2101,
105.2260

■ 45.7094, 62.3336,
104.2302

■ 55.6747, 72.3572,
105.6397

■ 45.2287, 61.5774,
104.1096

■ 60.2862, 76.0067,
106.1011

■ 65.9032, 80.1948,
106.6134

■ 72.5890, 84.9545,
107.1798

■ 80.4018, 90.3157,
107.8028

■ 89.3956, 96.3065,
108.4851

■ 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.



46.7335, 66.5220, 75.3379



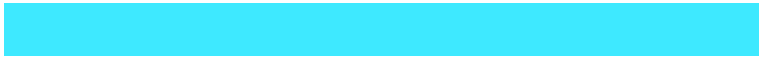
49.1755, 66.5220, 104.8559



55.3557, 66.5220, 129.6305

Triad

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



49.1755, 66.5220, 104.8559



80.9039, 66.5220, 98.6249



62.2308, 66.5220, 31.8434

Complementary

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



49.1755, 66.5220, 104.8559



45.2811, 27.9503, 7.5679

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.



71.8116, 66.5220, 35.1560



49.1755, 66.5220, 104.8559



83.2059, 66.5220, 69.6001

Square

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



49.1755, 66.5220, 104.8559



73.7168, 66.5220, 125.4475



79.7290, 66.5220, 47.4920



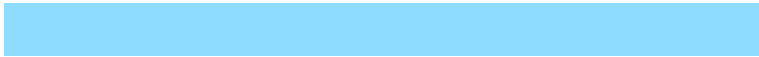
53.7830, 66.5220, 36.9577

Rectangle

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



49.1755, 66.5220, 104.8559



61.0814, 66.5220, 137.5221



79.7290, 66.5220, 47.4920



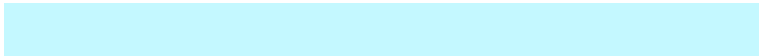
65.4226, 66.5220, 32.0130

Sweetspot

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



49.1774, 66.5243, 104.8563



74.5705, 86.3314, 107.3411



39.2445, 73.1434, 19.8959



15.3937, 18.0835, 22.9291



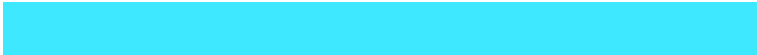
0.0000, 0.0000, 0.0000



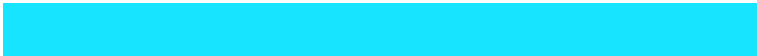
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.1774, 66.5243, 104.8563



46.2974, 63.1919, 104.3649



29.3004, 26.7703, 98.2306



18.3677, 20.1070, 23.1629



23.7036, 32.3167, 54.4230



2.3560, 3.2428, 5.3150

Inverse Universe

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



57.6719, 30.5902, 79.9582



55.6256, 27.5029, 76.1771



57.9917, 53.3715, 11.8047



18.6982, 18.2626, 22.2940



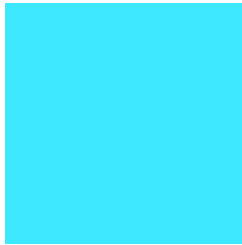
28.7527, 13.9904, 38.9436



2.8238, 1.3719, 3.9197

Previews

White Background



This preview shows how the XYZ color 49.1755, 66.5220, 104.8559 looks on a white background.

Color Contrast Check

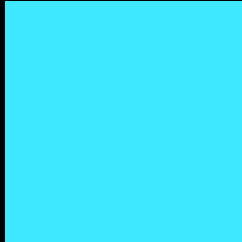
Large Text (above 18pt) WCAG AA × Fail

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 49.1755, 66.5220, 104.8559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

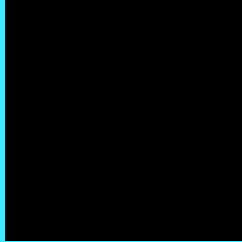
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1755, 66.5220, 104.8559

Background



This preview shows how black text looks on a background with the XYZ color 49.1755, 66.5220, 104.8559.

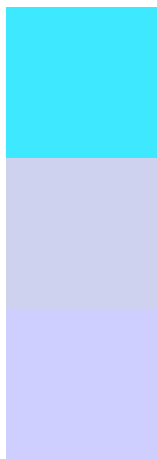


This preview shows how white text looks on a background with the XYZ color 49.1755, 66.5220,

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

49.1755, 66.5220, 104.8559

Protanopia

64.0802, 65.4470, 90.9165

Deuteranopia

66.0950, 65.1110, 103.6919



Tritanopia

48.5731, 66.2668, 102.3262

Trichromacy



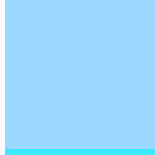
Original Color

49.1755, 66.5220, 104.8559



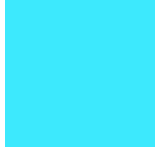
Protanomaly

54.8793, 63.6054, 95.7708



Deuteranomaly

55.9323, 63.2018, 103.8590



Tritanomaly

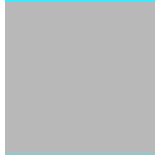
48.7930, 66.3618, 103.1659

Monochromacy



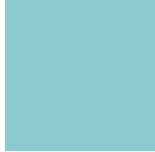
Original Color

49.1755, 66.5220, 104.8559



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.5686, 52.4697, 68.8041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1755, 66.5220, 104.8559 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(62, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 233, 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(62, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1755, 66.5220, 104.8559 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(62, 233, 255) }
```


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

```
.border{ border-color:rgb(62, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(62, 233, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(62, 233, 255); box-shadow:4px 4px 4px 4px rgb(62, 233, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1755, 66.5220, 104.8559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 233, 255) }
```

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

```
.background{ background-color: rgb(62, 233,  
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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