

Converting Colors

XYZ(49.1325, 65.1760,
104.5984)

Have a look what the booklet for
XYZ(49.1325, 65.1760, 104.5984)
contains.

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Color

**XYZ(49.1709, 65.2695,
104.6144)**

Conversions

Conversions Part 1

Format	Color
Hex	4AE6FF
RGB	74, 230, 255
RGB Percent	29%, 90%, 100%
CMY	0.7098, 0.0980, 0.0000
CMYK	0.71, 0.10, 0.00, 0.00
HSL	188°, 100%, 65%
HSV	188°, 71%, 100%
XYZ	49.1709, 65.2695, 104.6144
YIQ	186.2060, -101.0010, -25.2970

Conversions

Conversions Part 2

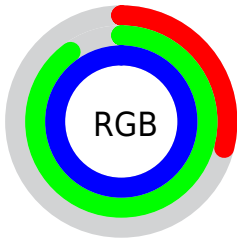
Format	Color
R_{YB}	74, 158, 255
Decimal	4908799
CIE _{Lab}	84.62, -32.33, -23.86
CIE _{LCh}	85, 40.187, 216.430
Yxy	65.2695, 0.2245, 0.2980
Android (android.graphics.Color)	4283098879 (0xFF4AE6FF)
YUV	186.2060, 33.9154, -98.4047
Hunter-Lab	80.7895, -32.7413, -20.2220

Details

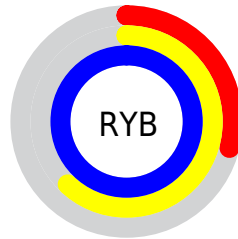
The XYZ color **49.1709, 65.2695, 104.6144** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.9392, 30.6801, 9.9287**, and the grayscale version is **46.6468, 49.0760, 53.4438**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **25.3291, 34.3493, 58.7212** is the 20% darker color. If you saturate the color by 10%, you get **46.6207, 62.5158, 104.2173**, and if you desaturate by 10%, it is **52.5396, 68.4772, 105.0560**.

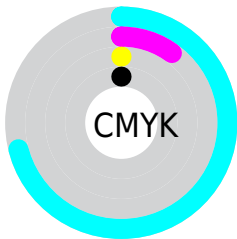
Distribution



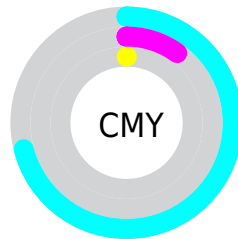
- Red (29%)
- Green (90%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1709, 65.2695, 104.6144 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 49.1709, 65.2695, 104.6144 by changing the saturation by 10% instead.

49.1709, 65.2695,
104.6144

49.1709, 65.2695,
104.6144

373.9205,
443.7598, 596.2603

34.9702, 47.6796,
79.5215

88.1444, 112.4372,
169.5911

23.8063, 33.5733,
58.8008

113.6479,
142.7839, 210.3119

15.3140, 22.5660,
42.0338

143.6497,
178.1516, 257.0792

9.1278, 14.2733,
28.8020

178.5151,
218.9248, 310.3114

4.8824, 8.3110,
18.6868

218.6096,
265.4878, 370.4270

2.2125, 4.2946,
11.2697

264.2984,

0.7493, 1.8397,

318.2250, 437.8447

6.1321

315.9469,
377.5209, 512.9830

■ 0.0000, 0.5117,
2.8555

■ 0.0000, 0.0000,
1.0213

■ 49.1709, 65.2695,
104.6144

■ 49.1709, 65.2695,
104.6144

■ 46.6207, 62.5158,
104.2173

■ 52.5396, 68.4772,
105.0560

■ 44.7805, 60.1560,
103.8588

■ 56.8071, 72.1766,
105.5452

■ 43.5858, 58.2916,
103.5619

■ 62.0501, 76.4085,
106.0857

■ 68.3354, 81.2076,
106.6807

■ 75.7239, 86.6056,
107.3332

■ 84.2718, 92.6315,
108.0458

■ 94.0314, 99.3123,
108.8210

■ 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.



46.4302, 65.2695, 76.7430



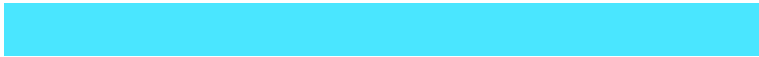
49.1709, 65.2695, 104.6144



55.3936, 65.2695, 126.6246

Triad

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



49.1709, 65.2695, 104.6144



79.2227, 65.2695, 92.7010



60.1254, 65.2695, 32.4214

Complementary

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



49.1709, 65.2695, 104.6144



46.9392, 30.6801, 9.9287

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.



69.1907, 65.2695, 34.7317



49.1709, 65.2695, 104.6144



80.7987, 65.2695, 65.6787

Square

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



49.1709, 65.2695, 104.6144



72.8509, 65.2695, 118.6684



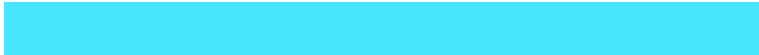
76.9712, 65.2695, 45.5889



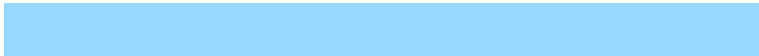
52.3494, 65.2695, 38.2776

Rectangle

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



49.1709, 65.2695, 104.6144



60.9692, 65.2695, 132.6317



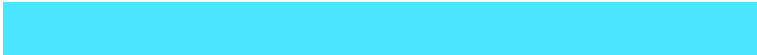
76.9712, 65.2695, 45.5889



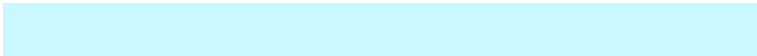
63.1166, 65.2695, 32.2942

Sweetspot

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



49.1727, 65.2718, 104.6148



75.7043, 86.5915, 107.3315



40.7965, 73.8609, 23.6974



15.7430, 18.2020, 22.9335



0.0000, 0.0000, 0.0000



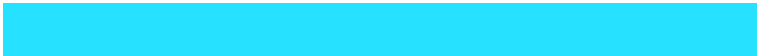
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1727, 65.2718, 104.6148



45.8011, 61.5219, 104.0687



30.3080, 27.5422, 98.3265



18.3284, 20.0283, 23.1498



22.8571, 30.6237, 54.1409



2.2819, 3.0945, 5.2903

Inverse Universe

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



57.9730, 31.8726, 77.9618



55.5405, 28.1020, 73.7768



60.5963, 57.9942, 14.4811



18.6784, 18.2547, 22.1895



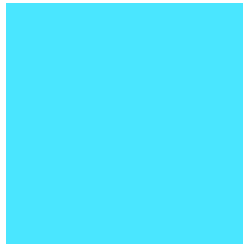
28.3254, 13.8194, 36.6935



2.7864, 1.3569, 3.7226

Previews

White Background



This preview shows how the XYZ color 49.1709, 65.2695, 104.6144 looks on a white background.

Color Contrast Check

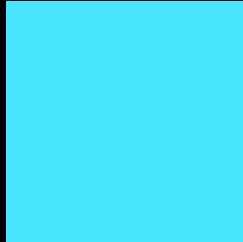
Large Text (above 18pt) WCAG AA × Fail

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 49.1709, 65.2695, 104.6144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

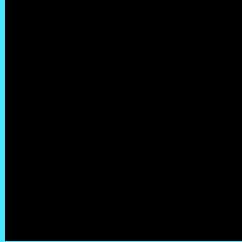
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1709, 65.2695, 104.6144

Background



This preview shows how black text looks on a background with the XYZ color 49.1709, 65.2695, 104.6144.

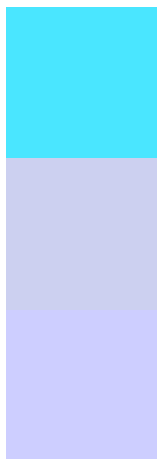


This preview shows how white text looks on a background with the XYZ color 49.1709, 65.2695,

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

49.1709, 65.2695, 104.6144

Protanopia

63.1859, 64.2404, 91.5075

Deuteranopia

65.2981, 64.3417, 103.5854



Tritanopia

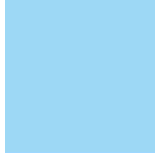
48.3570, 65.3560, 100.5088

Trichromacy



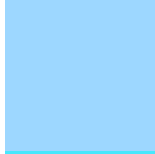
Original Color

49.1709, 65.2695, 104.6144



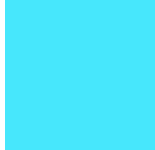
Protanomaly

54.9419, 62.8724, 95.6260



Deuteranomaly

56.2551, 62.9890, 103.8009



Tritanomaly

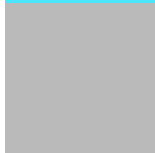
48.7451, 65.5197, 102.1729

Monochromacy



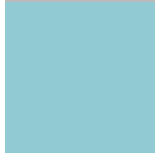
Original Color

49.1709, 65.2695, 104.6144



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.5555, 52.9640, 69.5028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1709, 65.2695, 104.6144 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(74, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 230, 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(74, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1709, 65.2695, 104.6144 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(74, 230, 255) }
```


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

```
.border{ border-color:rgb(74, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(74, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1709, 65.2695, 104.6144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 230, 255) }
```

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

```
.background{ background-color: rgb(74, 230,  
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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