

Converting Colors

XYZ(49.3888, 62.7046,
104.1079)

Have a look what the booklet for
XYZ(49.3888, 62.7046, 104.1079)
contains.

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Color

**XYZ(49.2615, 62.4821,
104.0716)**

Conversions

Conversions Part 1

Format	Color
Hex	60DFFF
RGB	96, 223, 255
RGB Percent	38%, 87%, 100%
CMY	0.6235, 0.1255, 0.0000
CMYK	0.62, 0.13, 0.00, 0.00
HSL	192°, 100%, 69%
HSV	192°, 62%, 100%
XYZ	49.2615, 62.4821, 104.0716
YIQ	188.6750, -85.9640, -16.9720

Conversions

Conversions Part 2

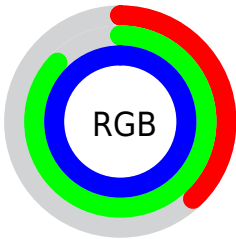
Format	Color
R _Y B	96, 167, 255
Decimal	6348799
CIE Lab	83.17, -25.82, -26.03
CIE LCh	83, 36.665, 225.227
Yxy	62.4821, 0.2283, 0.2895
Android (android.graphics.Color)	4284538879 (0xFF60DFFF)
YUV	188.6750, 32.6982, -81.2760
Hunter-Lab	79.0456, -27.0880, -22.7294

Details

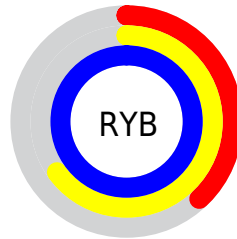
The XYZ color **49.2615, 62.4821, 104.0716** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.0716, 37.5444, 15.6234**, and the grayscale version is **48.0407, 50.5426, 55.0409**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **24.1957, 32.0825, 58.3434** is the 20% darker color. If you saturate the color by 10%, you get **45.6507, 58.6172, 103.5159**, and if you desaturate by 10%, it is **53.7872, 66.8829, 104.6826**.

Distribution



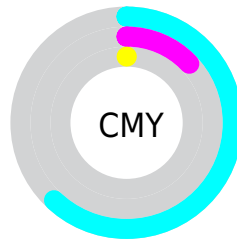
- Red (38%)
- Green (87%)
- Blue (100%)



- Red (38%)
- Yellow (65%)
- Blue (100%)



- Cyan (62%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2615, 62.4821, 104.0716 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 49.2615, 62.4821, 104.0716 by changing the saturation by 10% instead.

49.2615, 62.4821,
104.0716

49.2615, 62.4821,
104.0716

374.2708,
433.6875, 594.5270

35.0424, 45.4224,
79.0695

88.2781, 108.4220,
168.8418

23.8622, 31.7902,
58.4313

113.8063,
138.0709, 209.4470

15.3556, 21.2013,
41.7385

143.8348,
172.6851, 256.0903

9.1573, 13.2712,
28.5725

178.7291,
212.6488, 309.1902

4.9018, 7.6156,
18.5149

218.8545,
258.3465, 369.1653

2.2239, 3.8500,
11.1470

264.5763,

0.7553, 1.5900,

310.1626, 436.4341

6.0504

316.2600,
368.4814, 511.4152

■ 0.0000, 0.3508,
2.8065

■ 0.0000, 0.0000,
0.9967

■ 49.2615, 62.4821,
104.0716

■ 49.2615, 62.4821,
104.0716

■ 45.6507, 58.6172,
103.5159

■ 53.7872, 66.8829,
104.6826

■ 42.8613, 55.2356,
103.0103

■ 59.2987, 71.8529,
105.3514

■ 40.7889, 52.2843,
102.5498

■ 65.8658, 77.4298,
106.0817

■ 39.5673, 50.2545,
102.2224

■ 73.5505, 83.6461,
106.8765

■ 82.4098, 90.5317,
107.7386

■ 92.4965, 98.1144,
108.6706

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

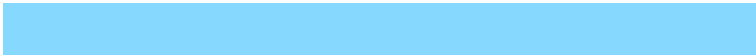
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8288, 62.4821, 80.1868



49.2615, 62.4821, 104.0716



55.5753, 62.4821, 119.7328

Triad

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



49.2615, 62.4821, 104.0716



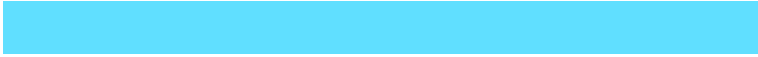
75.4234, 62.4821, 79.8136



55.4634, 62.4821, 33.9380

Complementary

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



49.2615, 62.4821, 104.0716



51.0716, 37.5444, 15.6234

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.



63.3699, 62.4821, 33.8815



49.2615, 62.4821, 104.0716



75.3867, 62.4821, 57.1728

Square

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



49.2615, 62.4821, 104.0716



70.9099, 62.4821, 103.7464



70.8136, 62.4821, 41.4525



49.1860, 62.4821, 41.6290

Rectangle

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



49.2615, 62.4821, 104.0716



60.7905, 62.4821, 121.5859



70.8136, 62.4821, 41.4525



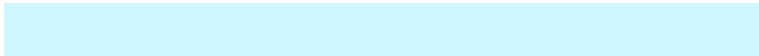
58.0060, 62.4821, 33.0931

Sweetspot

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



49.2633, 62.4843, 104.0720



76.3845, 85.8766, 107.1577



44.4683, 75.5607, 32.5964



15.8297, 17.9724, 22.8847



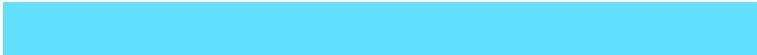
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.2633, 62.4843, 104.0720



44.8352, 57.6757, 103.3772



32.8035, 29.5648, 98.5854



18.2261, 19.8238, 23.1157



20.7837, 26.4770, 53.4497



2.0987, 2.7280, 5.2292

Inverse Universe

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



58.7434, 34.9552, 73.4652



55.5202, 29.8830, 68.1546



65.7379, 66.8771, 20.5122



18.6268, 18.2340, 21.9177



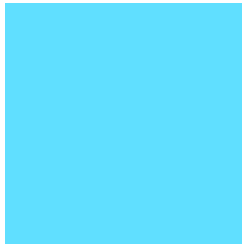
27.2789, 13.4008, 31.1826



2.6939, 1.3199, 3.2356

Previews

White Background



This preview shows how the XYZ color 49.2615, 62.4821, 104.0716 looks on a white background.

Color Contrast Check

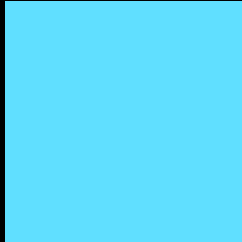
Large Text (above 18pt) WCAG AA × Fail

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 49.2615, 62.4821, 104.0716 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 49.2615, 62.4821, 104.0716

Background



This preview shows how black text looks on a background with the XYZ color 49.2615, 62.4821, 104.0716.

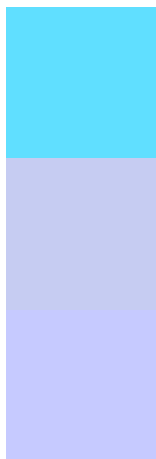


This preview shows how white text looks on a background with the XYZ color 49.2615, 62.4821,

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

49.2615, 62.4821, 104.0716

Protanopia

60.9086, 61.6023, 92.6846

Deuteranopia

62.4592, 61.4668, 103.1801



Tritanopia

47.3193, 62.4952, 94.3628

Trichromacy



Original Color

49.2615, 62.4821, 104.0716

Protanomaly

54.7807, 60.8810, 96.8596

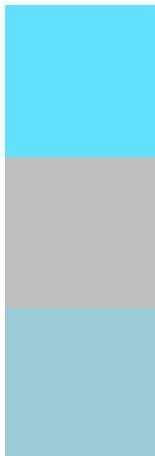
Deuteranomaly

55.7945, 60.8903, 103.4201

Tritanomaly

47.8578, 62.3020, 97.4988

Monochromacy



Original Color

49.2615, 62.4821, 104.0716

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.4145, 53.5459, 70.8399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2615, 62.4821, 104.0716 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(96, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 223, 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(96, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.2615, 62.4821, 104.0716 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(96, 223, 255) }
```


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

```
.border{ border-color:rgb(96, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2615, 62.4821, 104.0716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 223, 255) }
```

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

```
.background{ background-color: rgb(96, 223,  
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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