

Converting Colors

XYZ(49.6178, 63.0619,
100.6237)

Have a look what the booklet for
XYZ(49.6178, 63.0619, 100.6237)
contains.

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Color

**XYZ(49.6618, 63.1599,
100.8404)**

Conversions

Conversions Part 1

Format	Color
Hex	67E0FB
RGB	103, 224, 251
RGB Percent	40%, 88%, 98%
CMY	0.5960, 0.1216, 0.0157
CMYK	0.59, 0.11, 0.00, 0.02
HSL	191°, 95%, 69%
HSV	191°, 59%, 98%
XYZ	49.6618, 63.1599, 100.8404
YIQ	190.8990, -80.7830, -17.2550

Conversions

Conversions Part 2

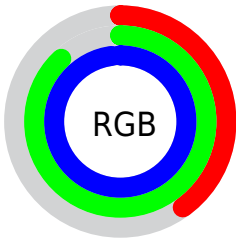
Format	Color
RYB	103, 170, 251
Decimal	6807803
CIELab	83.53, -26.28, -23.35
CIELCh	84, 35.155, 221.626
Yxy	63.1599, 0.2324, 0.2956
Android (android.graphics.Color)	4284997883 (0xFF67E0FB)
YUV	190.8990, 29.6298, -77.0874
Hunter-Lab	79.4732, -27.5357, -19.5995

Details

The XYZ color **49.6618, 63.1599, 100.8404** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **50.2162, 37.4559, 17.4171**, and the grayscale version is **49.3322, 51.9013, 56.5205**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.1567, 32.3901, 56.0177** is the 20% darker color. If you saturate the color by 10%, you get **45.9895, 59.4657, 100.3221**, and if you desaturate by 10%, it is **54.2351, 67.3704, 101.4132**.

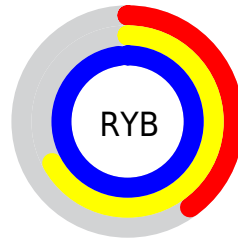
Distribution



Red (40%)

Green (88%)

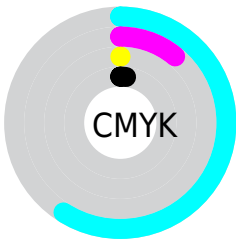
Blue (98%)



Red (40%)

Yellow (67%)

Blue (98%)

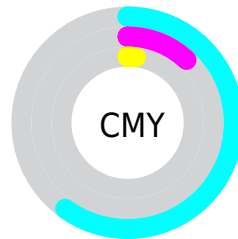


Cyan (59%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (12%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6618, 63.1599, 100.8404 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 49.6618, 63.1599, 100.8404 by changing the saturation by 10% instead.

49.6618, 63.1599,
100.8404

49.6618, 63.1599,
100.8404

375.8158,
436.1496, 584.1534

35.3614, 45.9706,
76.3818

88.8684, 109.4002,
164.3735

24.1093, 32.2226,
56.2371

114.5054,
139.2199, 204.2852

15.5399, 21.5316,
39.9878

144.6519,
174.0186, 250.1848

9.2879, 13.5131,
27.2153

179.6734,
214.1805, 302.4912

4.9881, 7.7828,
17.5011

219.9352,
260.0902, 361.6226

2.2749, 3.9563,
10.4267

265.8026,

0.7818, 1.6491,

312.1320, 427.9978

5.5735

317.6410,
370.6904, 502.0352

■ 0.0000, 0.3904,
2.5230

■ 0.0000, 0.0000,
0.8523

■ 49.6618, 63.1599,
100.8404

■ 49.6618, 63.1599,
100.8404

■ 45.9895, 59.4657,
100.3221

■ 54.2351, 67.3704,
101.4132

■ 43.1320, 56.2390,
99.8499

■ 59.7736, 72.1269,
102.0394

■ 40.9962, 53.4327,
99.4208

■ 66.3427, 77.4645,
102.7235

■ 39.4416, 50.9742,
99.0282

■ 74.0001, 83.4135,
103.4681

■ 39.2948, 50.7291,
98.9886

■ 82.7990, 90.0017,
104.2760

■ 92.7893, 97.2551,
105.1495

■ 94.4128, 99.7451,
105.5446

Harmonies

Analogous

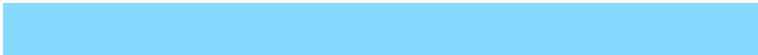
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7054, 63.1599, 77.6443



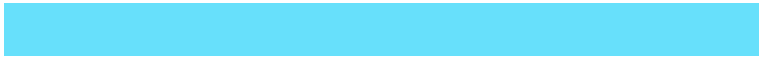
49.6618, 63.1599, 100.8404



55.4986, 63.1599, 117.1859

Triad

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



49.6618, 63.1599, 100.8404



75.1548, 63.1599, 82.9726



57.1064, 63.1599, 35.1228

Complementary

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



49.6618, 63.1599, 100.8404



50.2162, 37.4559, 17.4171

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.



64.8049, 63.1599, 35.9520



49.6618, 63.1599, 100.8404



75.6783, 63.1599, 60.5997

Square

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



49.6618, 63.1599, 100.8404



70.3782, 63.1599, 105.4497



71.7529, 63.1599, 44.3418



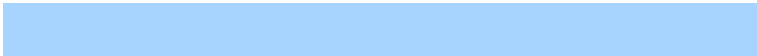
50.7522, 63.1599, 41.7676

Rectangle

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



49.6618, 63.1599, 100.8404



60.4513, 63.1599, 120.2624



71.7529, 63.1599, 44.3418



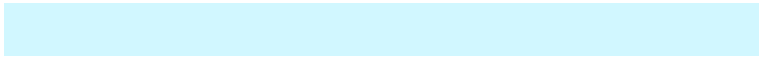
59.6139, 63.1599, 34.5825

Sweetspot

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



49.6638, 63.1623, 100.8419



77.5195, 87.0832, 107.3308



43.9669, 73.4292, 32.1656



16.0650, 18.2367, 22.9233



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.



49.6638, 63.1623, 100.8419



46.9839, 60.9012, 103.8865



34.2906, 32.4159, 95.7175



17.4808, 19.0384, 22.1387



20.7540, 26.8635, 52.0649



1.9898, 2.6233, 4.8447

Inverse Universe

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



58.0902, 35.5936, 74.3319



56.8664, 31.4233, 72.1553



63.2760, 63.5754, 21.7704



17.8492, 17.4670, 21.0617



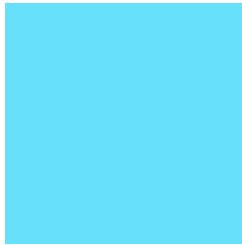
26.7677, 13.1228, 31.8146



2.5133, 1.2291, 3.1264

Previews

White Background



This preview shows how the XYZ color 49.6618, 63.1599, 100.8404 looks on a white background.

Color Contrast Check

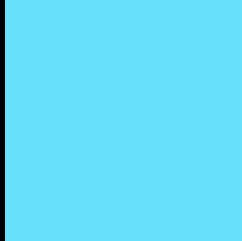
Large Text (above 18pt) WCAG AA × Fail

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 49.6618, 63.1599, 100.8404 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 49.6618, 63.1599, 100.8404

Background



This preview shows how black text looks on a background with the XYZ color 49.6618, 63.1599, 100.8404.

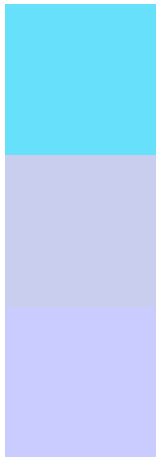


This preview shows how white text looks on a background with the XYZ color 49.6618, 63.1599,

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

49.6618, 63.1599, 100.8404

Protanopia

61.3513, 62.2532, 89.6714

Deuteranopia

63.7631, 62.4884, 103.3085



Tritanopia

48.3584, 63.0308, 94.4114

Trichromacy



Original Color

49.6618, 63.1599, 100.8404

Protanomaly

55.2382, 61.5574, 93.7644

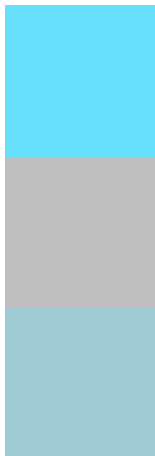
Deuteranomaly

56.9095, 61.8513, 102.7050

Tritanomaly

48.9266, 63.2709, 96.8226

Monochromacy



Original Color

49.6618, 63.1599, 100.8404

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.6643, 54.8869, 71.0328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6618, 63.1599, 100.8404 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(103, 224, 251)` looks like.

```
.text, #text, p{  
    color:rgb(103, 224, 251)  
}
```

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(103, 224, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 224, 251) }
```

Border

The CSS property to change the border of an element to XYZ 49.6618, 63.1599, 100.8404 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(103, 224, 251) }
```


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

```
.border{ border-color:rgb(103, 224, 251) }
```

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

Here you see how a box with a 4 pixel rgb(103, 224, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 224, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 224, 251);  
box-shadow:4px 4px 4px 4px rgb(103, 224,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6618, 63.1599, 100.8404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 224, 251) }
```

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

```
.background{ background-color: rgb(103,  
224, 251) }
```

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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