

Converting Colors

XYZ(49.1435, 60.9470,
103.3627)

Have a look what the booklet for
XYZ(49.1435, 60.9470, 103.3627)
contains.

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Color

**XYZ(49.2072, 60.8863,
103.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	69DBFF
RGB	105, 219, 255
RGB Percent	41%, 86%, 100%
CMY	0.5882, 0.1412, 0.0000
CMYK	0.59, 0.14, 0.00, 0.00
HSL	194°, 100%, 71%
HSV	194°, 59%, 100%
XYZ	49.2072, 60.8863, 103.7665
YIQ	189.0180, -79.5000, -12.9720

Conversions

Conversions Part 2

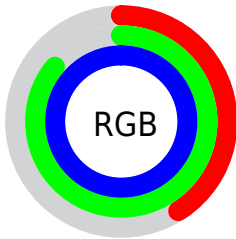
Format	Color
RYB	105, 170, 255
Decimal	6937599
CIELab	82.32, -22.30, -27.30
CIELCh	82, 35.253, 230.760
Yxy	60.8863, 0.2301, 0.2847
Android (android.graphics.Color)	4285127679 (0xFF69DBFF)
YUV	189.0180, 32.5291, -73.6838
Hunter-Lab	78.0297, -23.9860, -24.2251

Details

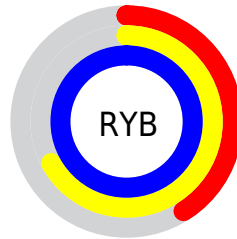
The XYZ color **49.2072, 60.8863, 103.7665** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.3157, 41.3311, 18.5343**, and the grayscale version is **48.2344, 50.7464, 55.2628**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **23.8219, 30.8103, 58.1175** is the 20% darker color. If you saturate the color by 10%, you get **45.0818, 56.4340, 103.1245**, and if you desaturate by 10%, it is **54.2924, 65.9230, 104.4706**.

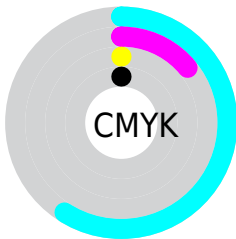
Distribution



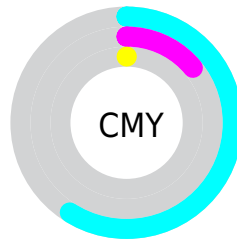
- Red (41%)
- Green (86%)
- Blue (100%)



- Red (41%)
- Yellow (67%)
- Blue (100%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2072, 60.8863, 103.7665 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 49.2072, 60.8863, 103.7665 by changing the saturation by 10% instead.

■ 49.2072, 60.8863,
103.7665

■ 49.2072, 60.8863,
103.7665

374.0609,
427.8570, 593.5516

■ 34.9991, 44.1334,
78.8155

■ 88.1980, 106.1143,
168.4205

■ 23.8287, 30.7754,
58.2237

■ 113.7114,
135.3582, 208.9606

■ 15.3306, 20.4279,
41.5726

■ 143.7239,
169.5345, 255.5340

■ 9.1396, 12.7065,
28.4437

178.6009,
209.0277, 308.5595

■ 4.8902, 7.2267,
18.4185

218.7077,
254.2222, 368.4554

■ 2.2171, 3.6043,
11.0783

264.4098,

■ 0.7517, 1.4548,

305.5023, 435.6404

6.0047

316.0724,
363.2524, 510.5329

■ 0.0000, 0.2566,
2.7791

■ 0.0000, 0.0000,
0.9830

■ 49.2072, 60.8863,
103.7665

■ 49.2072, 60.8863,
103.7665

■ 45.0818, 56.4340,
103.1245

■ 54.2924, 65.9230,
104.4706

■ 41.8274, 52.5158,
102.5398

■ 60.4057, 71.5765,
105.2397

■ 39.3466, 49.0816,
102.0077

■ 67.6145, 77.8837,
106.0771

■ 37.4963, 46.0568,
101.5213

■ 75.9793, 84.8767,
106.9860

■ 37.2979, 45.7157,
101.4660

■ 85.5558, 92.5850,
107.9692

95.0500, 100.0000,
108.9000

Harmonies

Analogous

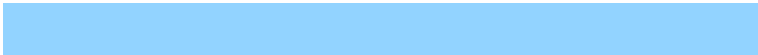
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3893, 60.8863, 82.0630



49.2072, 60.8863, 103.7665



55.5825, 60.8863, 116.0732

Triad

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



49.2072, 60.8863, 103.7665



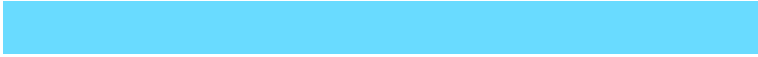
73.3279, 60.8863, 73.1604



52.9009, 60.8863, 34.6524

Complementary

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



49.2072, 60.8863, 103.7665



53.3157, 41.3311, 18.5343

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.



60.2207, 60.8863, 33.2767



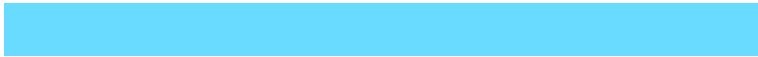
49.2072, 60.8863, 103.7665



72.4529, 60.8863, 52.6881

Square

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



49.2072, 60.8863, 103.7665



69.7924, 60.8863, 96.0517



67.4955, 60.8863, 39.1430



47.3902, 60.8863, 43.4219

Rectangle

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



49.2072, 60.8863, 103.7665



60.6090, 60.8863, 115.7966



67.4955, 60.8863, 39.1430



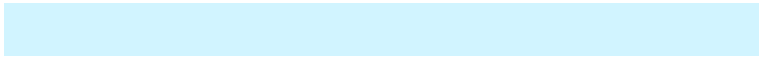
55.2159, 60.8863, 33.3972

Sweetspot

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



49.2090, 60.8885, 103.7668



76.7188, 85.4819, 107.0639



46.3206, 76.4173, 37.1218



15.8676, 17.8419, 22.8575



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.



49.2090, 60.8885, 103.7668



44.3013, 55.5361, 102.9923



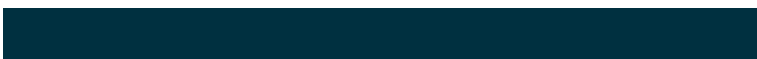
34.0028, 30.4762, 98.6981



18.1638, 19.6992, 23.0949



19.6108, 24.1311, 53.0588



1.9938, 2.5183, 5.1943

Inverse Universe

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



59.0790, 36.4793, 70.9475



55.5124, 30.8817, 65.0249



68.0911, 70.8820, 23.4594



18.5953, 18.2214, 21.7521



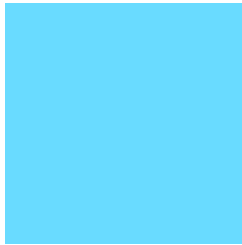
26.6868, 13.1640, 28.0649



2.6410, 1.2988, 2.9568

Previews

White Background



This preview shows how the XYZ color 49.2072, 60.8863, 103.7665 looks on a white background.

Color Contrast Check

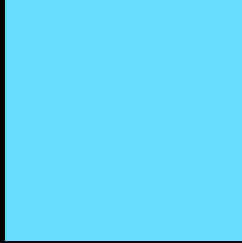
Large Text (above 18pt) WCAG AA × Fail

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 49.2072, 60.8863, 103.7665 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 49.2072, 60.8863, 103.7665

Background



This preview shows how black text looks on a background with the XYZ color 49.2072, 60.8863, 103.7665.

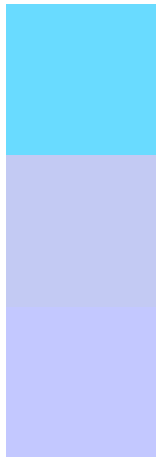


This preview shows how white text looks on a background with the XYZ color 49.2072, 60.8863,

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

49.2072, 60.8863, 103.7665

Protanopia

59.8039, 60.3142, 93.2838

Deuteranopia

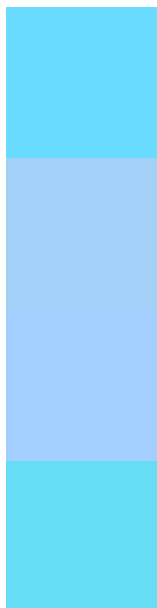
61.2100, 60.1307, 102.9880



Tritanopia

46.8865, 61.1305, 91.7663

Trichromacy



Original Color

49.2072, 60.8863, 103.7665

Protanomaly

54.2447, 59.5085, 96.6230

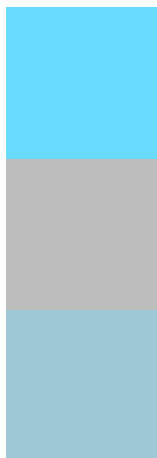
Deuteranomaly

55.2631, 59.5270, 103.1849

Tritanomaly

47.7047, 61.0722, 95.6600

Monochromacy



Original Color

49.2072, 60.8863, 103.7665

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.7651, 53.3818, 70.7897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2072, 60.8863, 103.7665 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(105, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 219, 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(105, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.2072, 60.8863, 103.7665 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(105, 219, 255) }
```


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

```
.border{ border-color:rgb(105, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2072, 60.8863, 103.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 219, 255) }
```

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

```
.background{ background-color: rgb(105,  
219, 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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