

Converting Colors

XYZ(49.5863, 63.2994,
100.2640)

Have a look what the booklet for
XYZ(49.5863, 63.2994, 100.2640)
contains.

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Color

**XYZ(49.3905, 63.0382,
100.0069)**

Conversions

Conversions Part 1

Format	Color
Hex	66E0FA
RGB	102, 224, 250
RGB Percent	40%, 88%, 98%
CMY	0.6000, 0.1216, 0.0196
CMYK	0.59, 0.10, 0.00, 0.02
HSL	191°, 94%, 69%
HSV	191°, 59%, 98%
XYZ	49.3905, 63.0382, 100.0069
YIQ	190.4860, -81.0580, -17.7780

Conversions

Conversions Part 2

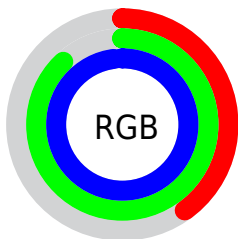
Format	Color
RYB	102, 169, 250
Decimal	6742266
CIELab	83.46, -26.74, -22.92
CIELCh	83, 35.219, 220.609
Yxy	63.0382, 0.2325, 0.2967
Android (android.graphics.Color)	4284932346 (0xFF66E0FA)
YUV	190.4860, 29.3404, -77.6022
Hunter-Lab	79.3966, -27.9040, -19.1033

Details

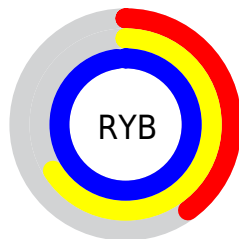
The XYZ color **49.3905, 63.0382, 100.0069** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **49.5435, 36.7237, 17.0497**, and the grayscale version is **49.0954, 51.6522, 56.2492**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **23.7943, 31.9411, 55.3632** is the 20% darker color. If you saturate the color by 10%, you get **45.8081, 59.4630, 99.5068**, and if you desaturate by 10%, it is **53.8614, 67.1193, 100.5602**.

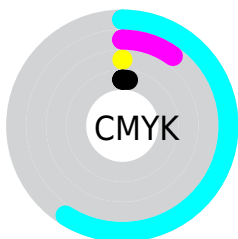
Distribution



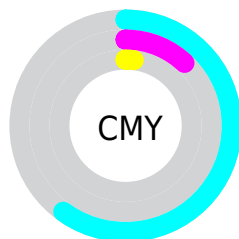
- Red (40%)
- Green (88%)
- Blue (98%)



- Red (40%)
- Yellow (66%)
- Blue (98%)



- Cyan (59%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (60%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3905, 63.0382, 100.0069 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 49.3905, 63.0382, 100.0069 by changing the saturation by 10% instead.

49.3905, 63.0382,
100.0069

49.3905, 63.0382,
100.0069

374.7691,
435.7081, 581.4617

35.1452, 45.8721,
75.6894

88.4684, 109.2246,
163.2186

23.9418, 32.1449,
55.6727

114.0317,
139.0137, 202.9499

15.4149, 21.4722,
39.5383

144.0983,
173.7793, 248.6562

9.1993, 13.4696,
26.8677

179.0336,
213.9058, 300.7560

4.9296, 7.7527,
17.2424

219.2030,
259.7775, 359.6680

2.2403, 3.9371,
10.2437

264.9718,

0.7639, 1.6385,

311.7789, 425.8105

5.4531

316.7054,
370.2943, 499.6022

■ 0.0000, 0.3833,
2.4521

■ 0.0000, 0.0000,
0.8146

■ 49.3905, 63.0382,
100.0069

■ 49.3905, 63.0382,
100.0069

■ 45.8081, 59.4630,
99.5068

■ 53.8614, 67.1193,
100.5602

■ 43.0285, 56.3453,
99.0515

■ 59.2846, 71.7357,
101.1654

■ 40.9593, 53.6384,
98.6381

■ 65.7249, 76.9222,
101.8270

■ 39.4571, 51.2680,
98.2597

■ 73.2395, 82.7089,
102.5479

■ 39.3469, 51.0850,
98.2302

■ 81.8812, 89.1232,
103.3305

■ 91.6994, 96.1908,
104.1772

■ 94.1745, 99.5202,
104.6894

■ 94.2555, 99.6822,
104.7164

Harmonies

Analogous

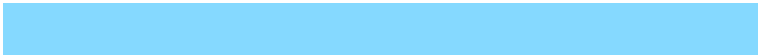
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5426, 63.0382, 76.7215



49.3905, 63.0382, 100.0069



55.1458, 63.0382, 116.7547

Triad

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



49.3905, 63.0382, 100.0069



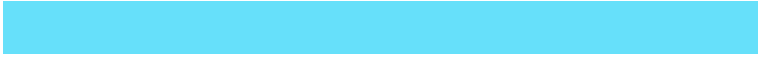
74.9516, 63.0382, 83.6576



57.2383, 63.0382, 34.8978

Complementary

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



49.3905, 63.0382, 100.0069



49.5435, 36.7237, 17.0497

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.



64.9534, 63.0382, 35.9764



49.3905, 63.0382, 100.0069



75.6331, 63.0382, 61.1430

Square

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



49.3905, 63.0382, 100.0069



70.0501, 63.0382, 106.0081



71.8396, 63.0382, 44.6278



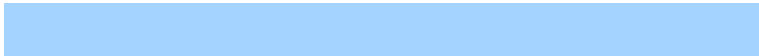
50.8095, 63.0382, 41.2787

Rectangle

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



49.3905, 63.0382, 100.0069



60.0730, 63.0382, 120.2030



71.8396, 63.0382, 44.6278



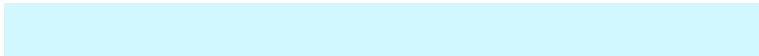
59.7591, 63.0382, 34.4408

Sweetspot

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



49.3925, 63.0405, 100.0084



77.6142, 87.2727, 107.3624



43.4760, 72.7212, 31.7125



16.0884, 18.2835, 22.9311



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.



49.3925, 63.0405, 100.0084



47.3099, 61.5533, 103.9952



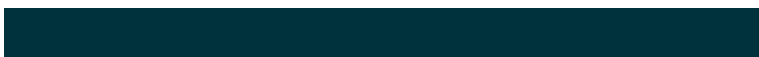
33.8573, 31.9701, 94.8300



17.4912, 19.0593, 22.1422



20.9660, 27.2876, 52.1356



2.0076, 2.6589, 4.8506

Inverse Universe

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



57.6320, 35.2106, 74.2821



57.0310, 31.4891, 73.0219



62.6334, 62.9035, 21.4130



17.8545, 17.4692, 21.0894



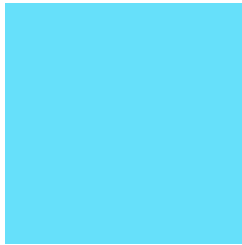
26.8747, 13.1656, 32.3782



2.5223, 1.2326, 3.1736

Previews

White Background



This preview shows how the XYZ color 49.3905, 63.0382, 100.0069 looks on a white background.

Color Contrast Check

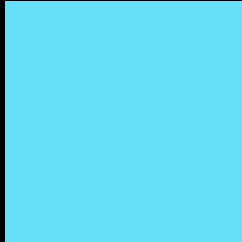
Large Text (above 18pt) WCAG AA × Fail

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 49.3905, 63.0382, 100.0069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

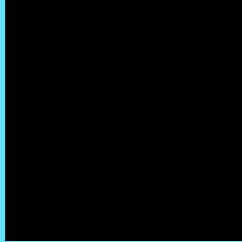
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3905, 63.0382, 100.0069

Background



This preview shows how black text looks on a background with the XYZ color 49.3905, 63.0382, 100.0069.



This preview shows how white text looks on a background with the XYZ color 49.3905, 63.0382,

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

49.3905, 63.0382, 100.0069

Protanopia

61.2048, 62.1946, 88.8997

Deuteranopia

63.5277, 62.0176, 103.2301



Tritanopia

48.2485, 62.9741, 94.4063

Trichromacy



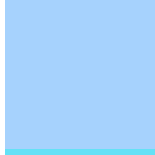
Original Color

49.3905, 63.0382, 100.0069



Protanomaly

55.0875, 61.4971, 92.9711



Deuteranomaly

56.5021, 61.2920, 101.7811



Tritanomaly

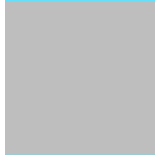
48.8153, 63.2136, 96.8174

Monochromacy



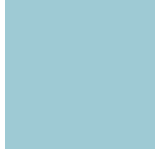
Original Color

49.3905, 63.0382, 100.0069



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.1047, 54.2636, 70.2786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3905, 63.0382, 100.0069 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(102, 224, 250)` looks like.

```
.text, #text, p{  
    color:rgb(102, 224, 250)  
}
```

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(102, 224, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 224, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.3905, 63.0382, 100.0069 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(102, 224, 250) }
```


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

```
.border{ border-color:rgb(102, 224, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 224, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 224, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 224, 250);  
box-shadow:4px 4px 4px 4px rgb(102, 224,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3905, 63.0382, 100.0069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 224, 250) }
```

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

```
.background{ background-color: rgb(102,  
224, 250) }
```

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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