

Converting Colors

XYZ(39.4933, 49.4901,
102.0788)

Have a look what the booklet for
XYZ(39.4933, 49.4901, 102.0788)
contains.

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Color

**XYZ(39.5965, 49.6807,
102.1101)**

Conversions

Conversions Part 1

Format	Color
Hex	1ACAFF
RGB	26, 202, 255
RGB Percent	10%, 79%, 100%
CMY	0.8979, 0.2078, 0.0000
CMYK	0.90, 0.21, 0.00, 0.00
HSL	194°, 100%, 55%
HSV	194°, 90%, 100%
XYZ	39.5965, 49.6807, 102.1101
YIQ	155.4180, -121.9090, -20.8290

Conversions

Conversions Part 2

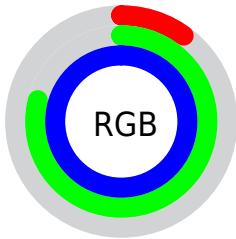
Format	Color
RYP	26, 126, 255
Decimal	1755903
CIELab	75.87, -22.57, -37.36
CIElCh	76, 43.652, 238.861
Yxy	49.6807, 0.2069, 0.2596
Android (android.graphics.Color)	4279945983 (0xFF1ACAFF)
YUV	155.4180, 49.0939, -113.4996
Hunter-Lab	70.4845, -23.0710, -36.5535

Details

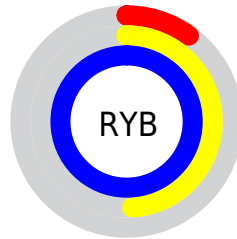
The XYZ color **39.5965, 49.6807, 102.1101** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.2252, 26.9314, 3.8467**, and the grayscale version is **31.1739, 32.7974, 35.7163**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **20.7829, 25.2570, 57.2058** is the 20% darker color. If you saturate the color by 10%, you get **37.8192, 46.7485, 101.6378**, and if you desaturate by 10%, it is **41.9751, 53.0032, 102.6261**.

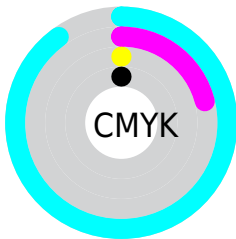
Distribution



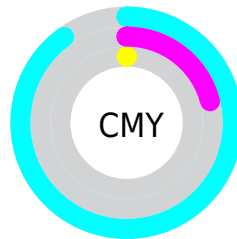
- Red (10%)
- Green (79%)
- Blue (100%)



- Red (10%)
- Yellow (49%)
- Blue (100%)



- Cyan (90%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5965, 49.6807, 102.1101 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 39.5965, 49.6807, 102.1101 by changing the saturation by 10% instead.


 39.5965, 49.6807,
102.1101


 39.5965, 49.6807,
102.1101


335.5836,
385.4160, 588.2412

 27.4069, 35.1598,
77.4373


 73.8369, 89.7016,
166.1310


 18.0172, 23.7860,
57.0981


 96.6185, 115.9704,
206.3162


 11.0621, 15.1749,
40.6741


 123.6614,
146.9238, 252.5092

 6.1762, 8.9422,
27.7468

 155.3310,
182.9464, 305.1287

 2.9942, 4.7035,
17.8975

 191.9926,
224.4226, 364.5931

 1.1507, 2.0744,
10.7077

234.0117,

 0.0669, 0.6502,

271.7366, 431.3209

5.7590

281.7536,
325.2729, 505.7308

■ 0.0000, 0.0000,
2.6327

■ 0.0000, 0.0000,
0.9093

■ 39.5965, 49.6807,
102.1101

■ 39.5965, 49.6807,
102.1101

■ 37.8192, 46.7485,
101.6378

■ 41.9751, 53.0032,
102.6261

■ 37.7846, 46.6892,
101.6282

■ 45.1112, 56.7949,
103.1926

■ 49.1074, 61.1103,
103.8150

■ 54.0483, 65.9938,
104.4972

■ 60.0082, 71.4847,
105.2429

■ 67.0535, 77.6179,
106.0554

■ 75.2449, 84.4254,
106.9377

■ 84.6385, 91.9371,
107.8925

■ 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.



34.8219, 49.6807, 78.6788



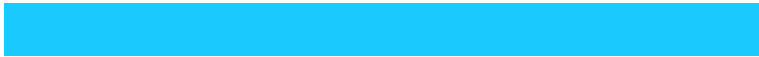
39.5965, 49.6807, 102.1101



46.9102, 49.6807, 112.2575

Triad

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



39.5965, 49.6807, 102.1101



64.6163, 49.6807, 54.9879



40.0766, 49.6807, 23.6194

Complementary

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



39.5965, 49.6807, 102.1101



44.2252, 26.9314, 3.8467

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.



47.5312, 49.6807, 20.5692



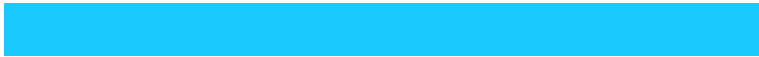
39.5965, 49.6807, 102.1101



62.2587, 49.6807, 35.2516

Square

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



39.5965, 49.6807, 102.1101



61.8862, 49.6807, 80.6725



55.7641, 49.6807, 24.1349



35.0759, 49.6807, 34.1066

Rectangle

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



39.5965, 49.6807, 102.1101



52.4500, 49.6807, 108.4099



55.7641, 49.6807, 24.1349



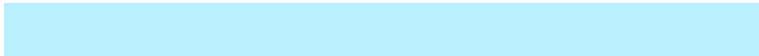
42.3498, 49.6807, 21.8506

Sweetspot

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



39.5980, 49.6823, 102.1104



69.2213, 79.4482, 106.2944



37.4791, 72.2569, 18.7444



14.2510, 16.5273, 22.6889



0.0000, 0.0000, 0.0000



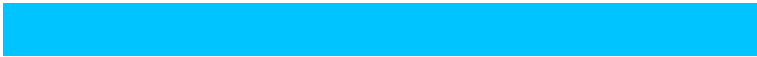
20.3446, 21.4041, 23.3091

Same Dimension

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



39.5980, 49.6823, 102.1104



37.7846, 46.6892, 101.6282



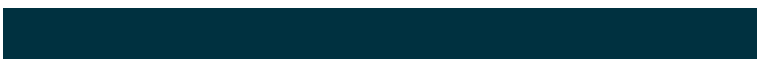
22.2102, 14.9066, 96.3144



18.1775, 19.7265, 23.0995



19.8625, 24.6345, 53.1427



2.0164, 2.5635, 5.2018

Inverse Universe

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



52.2711, 26.2647, 58.1933



51.2011, 25.2444, 54.3845



59.8677, 58.2165, 9.0609



18.6022, 18.2242, 21.7884



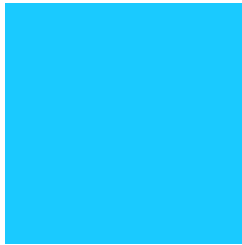
26.8139, 13.2148, 28.7339



2.6524, 1.3033, 3.0168

Previews

White Background



This preview shows how the XYZ color 39.5965, 49.6807, 102.1101 looks on a white background.

Color Contrast Check

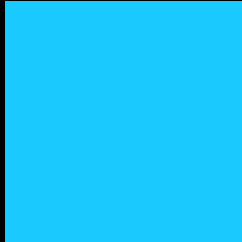
Large Text (above 18pt) WCAG AA × Fail

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 39.5965, 49.6807, 102.1101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

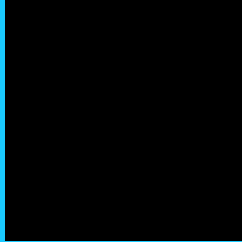
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5965, 49.6807, 102.1101

Background



This preview shows how black text looks on a background with the XYZ color 39.5965, 49.6807, 102.1101.



This preview shows how white text looks on a background with the XYZ color 39.5965, 49.6807,

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

39.5965, 49.6807, 102.1101

Protanopia

49.3882, 48.7639, 90.0284

Deuteranopia

50.0908, 49.1824, 101.4608



Tritanopia

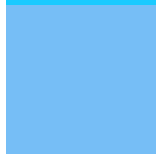
35.2561, 49.4165, 76.7874

Trichromacy



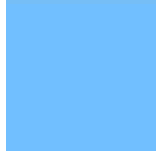
Original Color

39.5965, 49.6807, 102.1101



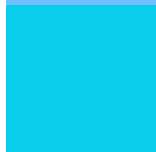
Protanomaly

42.5192, 47.3323, 94.0838



Deuteranomaly

43.4909, 47.9923, 101.5790



Tritanomaly

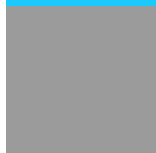
36.7953, 49.6612, 85.4882

Monochromacy



Original Color

39.5965, 49.6807, 102.1101



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

30.3408, 36.4548, 54.7276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5965, 49.6807, 102.1101 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(26, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 202, 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(26, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.5965, 49.6807, 102.1101 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(26, 202, 255) }
```


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

```
.border{ border-color:rgb(26, 202, 255) }
```

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

Here you see how a box with a 4 pixel rgb(26, 202, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5965, 49.6807, 102.1101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 202, 255) }
```

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

```
.background{ background-color: rgb(26, 202,  
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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