

# Converting Colors

XYZ(39.2125, 45.3534,  
166.5604)

Have a look what the booklet for  
XYZ(39.2125, 45.3534, 166.5604)  
contains.

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# Color

**XYZ(37.3418, 45.8036,  
101.4806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C2FF
RGB	0, 194, 255
RGB Percent	0%, 76%, 100%
CMY	0.9997, 0.2392, 0.0000
CMYK	1.00, 0.24, 0.00, 0.00
HSL	194°, 100%, 50%
HSV	194°, 100%, 100%
XYZ	37.3418, 45.8036, 101.4806
YIQ	142.9480, -135.2050, -22.1570

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 110, 255
Decimal	49919
CIELab	73.42, -19.22, -41.19
CIELCh	73, 45.455, 244.988
Yxy	45.8036, 0.2023, 0.2481
Android (android.graphics.Color)	4278239999 (0xFF00C2FF)
YUV	142.9480, 55.2416, -125.3654
Hunter-Lab	67.6784, -19.9490, -41.5278

# Details

The XYZ color **37.3418, 45.8036, 101.4806** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.9131, 24.6056, 2.4898**, and the grayscale version is **25.9226, 27.2726, 29.6999**.

A 20% lighter version of the original color is **59.4866, 79.7918, 106.8738**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **37.3382, 45.7965, 101.4794**, and if you desaturate by 10%, it is **39.1436, 48.7908, 101.9622**.

# Distribution



- Red (0%)
- Green (76%)
- Blue (100%)



- Red (0%)
- Yellow (43%)
- Blue (100%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3418, 45.8036, 101.4806 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 37.3418, 45.8036, 101.4806 by changing the saturation by 10% instead.



37.3418, 45.8036,  
101.4806

37.3418, 45.8036,  
101.4806

326.1179,  
370.0185, 586.2164

25.6471, 32.0909,  
76.9139

70.4086, 83.9250,  
165.2600

16.6911, 21.4309,  
56.6710

92.5114, 109.1024,  
205.3097

10.1085, 13.4393,  
40.3336

118.8143,  
138.8702, 251.3575

5.5337, 7.7318,  
27.4830

149.6827,  
173.6128, 303.8219

2.6016, 3.9238,  
17.7006

185.4819,  
213.7145, 363.1214

0.9468, 1.6310,  
10.5681

226.5772,

0.0000, 0.3784,

259.5598, 429.6747

5.6667

273.3341,  
311.5330, 503.9002

■ 0.0000, 0.0000,  
2.5780

■ 0.0000, 0.0000,  
0.8811

■ 37.3418, 45.8036,  
101.4806

■ 37.3418, 45.8036,  
101.4806

■ 37.3382, 45.7965,  
101.4794

■ 39.1436, 48.7908,  
101.9622

■ 41.5399, 52.1674,  
102.4877

■ 44.6968, 56.0209,  
103.0651

■ 48.7157, 60.4043,  
103.6993

■ 53.6815, 65.3624,  
104.3946

■ 59.6687, 70.9345,  
105.1546

■ 66.7439, 77.1559,  
105.9825

■ 74.9680, 84.0587,  
106.8815

■ 84.3972, 91.6728,  
107.8542

# Harmonies

## Analogous

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



32.0958, 45.8036, 79.6841



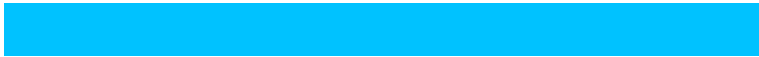
37.3418, 45.8036, 101.4806



44.8880, 45.8036, 107.9897

# Triad

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



37.3418, 45.8036, 101.4806



60.7530, 45.8036, 46.1344



35.2866, 45.8036, 21.7588

# Complementary

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



37.3418, 45.8036, 101.4806



42.9131, 24.6056, 2.4898

# 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.



42.2094, 45.8036, 17.5706



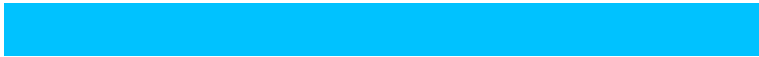
37.3418, 45.8036, 101.4806



57.4127, 45.8036, 28.6132

# Square

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



37.3418, 45.8036, 101.4806



59.0383, 45.8036, 70.9453



50.3776, 45.8036, 19.6262



31.0152, 45.8036, 33.4495



# Rectangle

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



37.3418, 45.8036, 101.4806



50.3711, 45.8036, 101.4932



50.3776, 45.8036, 19.6262



37.3471, 45.8036, 19.6220

# Sweetspot

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



37.3432, 45.8051, 101.4808



66.7211, 77.1363, 105.9800



36.5649, 71.8421, 16.1538



13.6136, 15.9317, 22.6076



0.0000, 0.0000, 0.0000

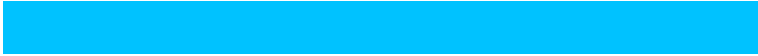


20.3446, 21.4041, 23.3091



# Same Dimension

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



37.3432, 45.8051, 101.4808



37.3382, 45.7965, 101.4794



20.1215, 11.3615, 95.7402



18.1649, 19.7014, 23.0953



19.6316, 24.1729, 53.0657



1.9957, 2.5220, 5.1949



# Inverse Universe

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



50.9787, 25.1568, 53.2092



50.9758, 25.1543, 53.1981



59.0151, 56.8094, 7.8571



18.5959, 18.2217, 21.7551



26.6973, 13.1682, 28.1204



2.6419, 1.2991, 2.9618



# Previews

## White Background



This preview shows how the XYZ color 37.3418, 45.8036, 101.4806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

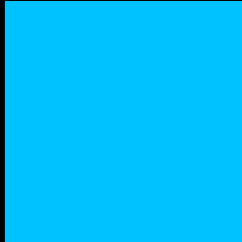
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3418, 45.8036, 101.4806 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 37.3418, 45.8036, 101.4806

## Background



This preview shows how black text looks on a background with the XYZ color 37.3418, 45.8036, 101.4806.



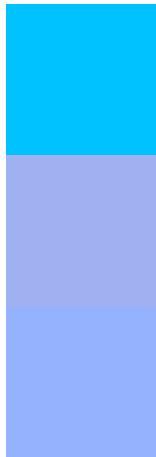
This preview shows how white text looks on a background with the XYZ color 37.3418, 45.8036,



# 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

37.3418, 45.8036, 101.4806

### Protanopia

46.0965, 45.2687, 89.5273

### Deuteranopia

46.3648, 45.4504, 100.9368



## Tritanopia

32.5610, 45.7019, 70.7235

# Trichromacy



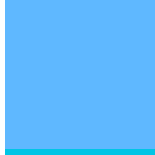
## Original Color

37.3418, 45.8036, 101.4806



## Protanomaly

39.0475, 43.3456, 93.4973



## Deuteranomaly

39.9098, 43.9339, 100.9844



## Tritanomaly

34.1091, 45.5896, 81.1307

# Monochromacy



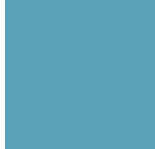
## Original Color

37.3418, 45.8036, 101.4806



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

25.8864, 31.5255, 50.0681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3418, 45.8036, 101.4806 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(0, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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(0, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3418, 45.8036, 101.4806 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(0, 194, 255) }
```



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

```
.border{ border-color:rgb(0, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 194, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 194, 255); box-shadow:4px 4px 4px 4px rgb(0, 194, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3418, 45.8036, 101.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 255) }
```

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

```
.background{ background-color: rgb(0, 194,  
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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