

Converting Colors

XYZ(20.1606, 36.6319,
109.5250)

Have a look what the booklet for
XYZ(20.1606, 36.6319, 109.5250)
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

Format	Color
RYB	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



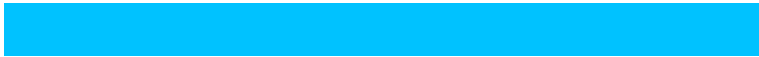
37.3418, 45.8036, 101.4806



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



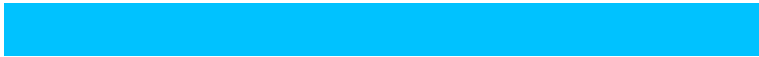
37.3418, 45.8036, 101.4806



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



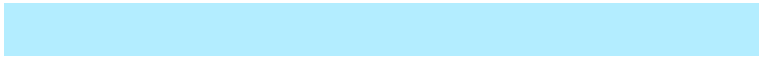
37.3471, 45.8036, 19.6220

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



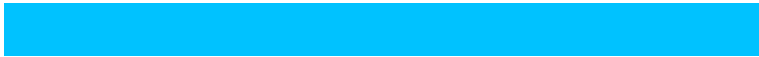
20.3446, 21.4041, 23.3091

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



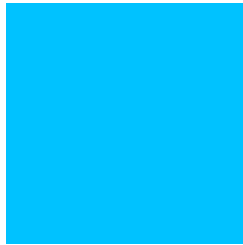
26.6973, 13.1682, 28.1204



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

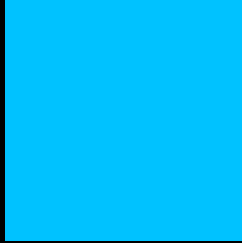
Large Text (above 18pt) WCAG AA × Fail

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

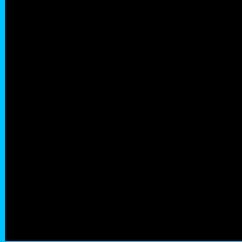
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

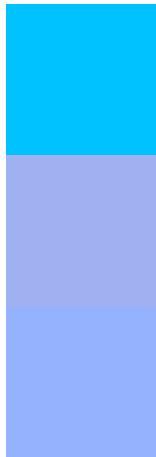


This preview shows how white text looks on a background with the XYZ color 37.3418, 45.8036,

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

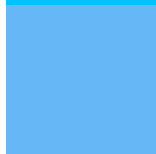
32.5610, 45.7019, 70.7235

Trichromacy



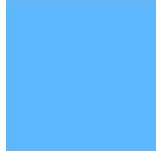
Original Color

37.3418, 45.8036, 101.4806



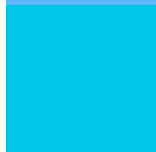
Protanomaly

39.0475, 43.3456, 93.4973



Deuteranomaly

39.9098, 43.9339, 100.9844



Tritanomaly

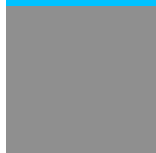
34.1091, 45.5896, 81.1307

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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