

# Converting Colors

XYZ(37.5761, 46.3471,  
101.1543)

Have a look what the booklet for  
XYZ(37.5761, 46.3471, 101.1543)  
contains.

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# Color

**XYZ(37.6027, 46.2696,  
101.5568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	03C3FF
RGB	3, 195, 255
RGB Percent	1%, 76%, 100%
CMY	0.9879, 0.2353, 0.0000
CMYK	0.99, 0.24, 0.00, 0.00
HSL	194°, 100%, 51%
HSV	194°, 99%, 100%
XYZ	37.6027, 46.2696, 101.5568
YIQ	144.4320, -133.6920, -22.0440

# Conversions

## Conversions Part 2

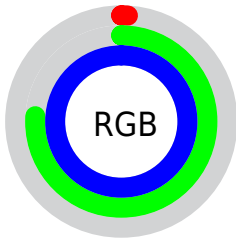
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	3, 112, 255
Decimal	246783
CIE <sub>Lab</sub>	73.72, -19.67, -40.72
CIE <sub>LCh</sub>	74, 45.222, 244.216
Yxy	46.2696, 0.2028, 0.2495
Android (android.graphics.Color)	4278436863 (0xFF03C3FF)
YUV	144.4320, 54.5100, -124.0359
Hunter-Lab	68.0218, -20.3626, -40.9050

# Details

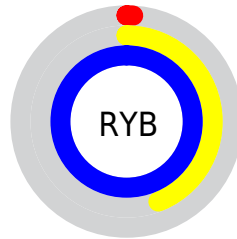
The XYZ color **37.6027, 46.2696, 101.5568** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **43.0386, 24.8303, 2.6128**, and the grayscale version is **26.5190, 27.9000, 30.3832**.

A 20% lighter version of the original color is **59.7998, 80.4182, 106.9782**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **37.4017, 45.9234, 101.5006**, and if you desaturate by 10%, it is **39.4491, 49.2836, 102.0412**.

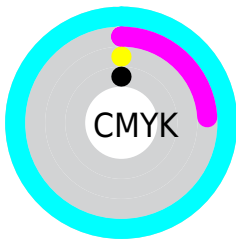
# Distribution



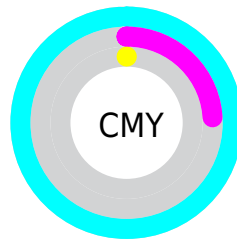
- Red (1%)
- Green (76%)
- Blue (100%)



- Red (1%)
- Yellow (44%)
- Blue (100%)



- Cyan (99%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6027, 46.2696, 101.5568 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 37.6027, 46.2696, 101.5568 by changing the saturation by 10% instead.



37.6027, 46.2696,  
101.5568

37.6027, 46.2696,  
101.5568

327.2230,  
371.8915, 586.4617

25.8503, 32.4586,  
76.9772

70.8066, 84.6223,  
165.3654

16.8438, 21.7120,  
56.7227

92.9888, 109.9329,  
205.4316

10.2178, 13.6455,  
40.3748

119.3783,  
139.8454, 251.4970

5.6070, 7.8745,  
27.5149

150.3405,  
174.7443, 303.9801

2.6460, 4.0147,  
17.7244

186.2407,  
215.0139, 363.2997

0.9694, 1.6818,  
10.5849

227.4443,

0.0000, 0.4118,

261.0388, 429.8741

5.6778

274.3166,  
313.2031, 504.1219

■ 0.0000, 0.0000,  
2.5846

■ 0.0000, 0.0000,  
0.8845

■ 37.6027, 46.2696,  
101.5568

■ 37.6027, 46.2696,  
101.5568

■ 37.4017, 45.9234,  
101.5006

■ 39.4491, 49.2836,  
102.0412

■ 41.9244, 52.7041,  
102.5710

■ 45.1729, 56.6073,  
103.1532

■ 49.2935, 61.0450,  
103.7926

■ 54.3698, 66.0613,  
104.4933

■ 60.4751, 71.6948,  
105.2588

■ 67.6754, 77.9804,  
106.0926

■ 76.0308, 84.9500,  
106.9975

■ 85.5971, 92.6331,  
107.9763

# Harmonies

## Analogous

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



32.4141, 46.2696, 79.5334



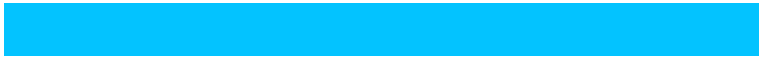
37.6027, 46.2696, 101.5568



45.1219, 46.2696, 108.5397

# Triad

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



37.6027, 46.2696, 101.5568



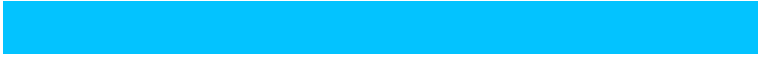
61.2280, 46.2696, 47.2006



35.8605, 46.2696, 21.9637

# Complementary

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



37.6027, 46.2696, 101.5568



43.0386, 24.8303, 2.6128

# 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.



42.8533, 46.2696, 17.9137



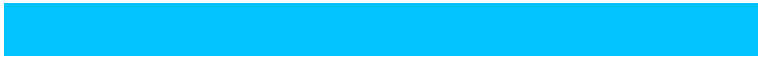
37.6027, 46.2696, 101.5568



58.0088, 46.2696, 29.3947

# Square

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



37.6027, 46.2696, 101.5568



59.3838, 46.2696, 72.1462



51.0357, 46.2696, 20.1484

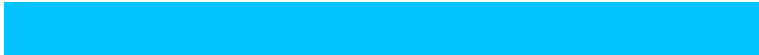


31.4974, 46.2696, 33.5011



# Rectangle

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



37.6027, 46.2696, 101.5568



50.6145, 46.2696, 102.3741



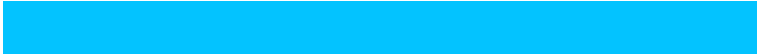
51.0357, 46.2696, 20.1484



37.9483, 46.2696, 19.8724

# Sweetspot

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



37.6042, 46.2711, 101.5570



66.7458, 77.1857, 105.9882



36.6642, 71.8861, 16.4804



13.6195, 15.9436, 22.6095



0.0000, 0.0000, 0.0000

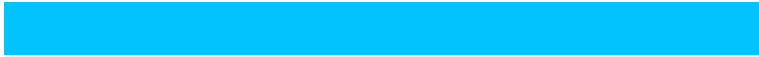


20.3446, 21.4041, 23.3091

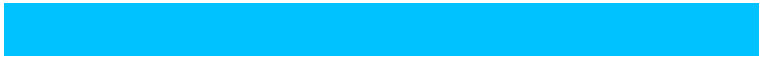


# Same Dimension

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



37.6042, 46.2711, 101.5570



37.4017, 45.9234, 101.5006



20.2949, 11.6525, 95.7872



18.1667, 19.7050, 23.0959



19.6645, 24.2385, 53.0767



1.9986, 2.5279, 5.1959



# Inverse Universe

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



51.1240, 25.2671, 53.8136



51.0078, 25.1671, 53.3668



59.2019, 57.1568, 8.0005



18.5968, 18.2220, 21.7599



26.7139, 13.1749, 28.2076

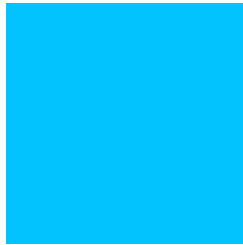


2.6434, 1.2997, 2.9696



# Previews

## White Background



This preview shows how the XYZ color 37.6027, 46.2696, 101.5568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

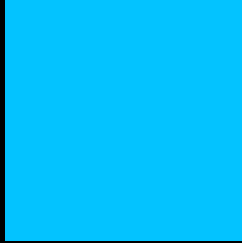
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6027, 46.2696, 101.5568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

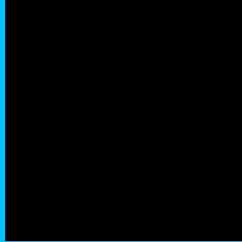
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 37.6027, 46.2696, 101.5568

## Background



This preview shows how black text looks on a background with the XYZ color 37.6027, 46.2696, 101.5568.



This preview shows how white text looks on a background with the XYZ color 37.6027, 46.2696,



# 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

37.6027, 46.2696, 101.5568

### Protanopia

46.4996, 45.4765, 89.5461

### Deuteranopia

46.7329, 45.6401, 100.9541



## Tritanopia

32.9200, 46.2148, 71.4753

# Trichromacy



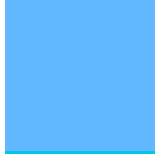
## Original Color

37.6027, 46.2696, 101.5568



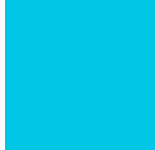
## Protanomaly

39.4840, 43.8779, 93.5770



## Deuteranomaly

40.1203, 44.0424, 100.9942



## Tritanomaly

34.4895, 46.1078, 81.9448

# Monochromacy



## Original Color

37.6027, 46.2696, 101.5568



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

26.2631, 31.9822, 50.1364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6027, 46.2696, 101.5568 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(3, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(3, 195, 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(3, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 195, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6027, 46.2696, 101.5568 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(3, 195, 255) }
```



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

```
.border{ border-color:rgb(3, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(3, 195, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(3, 195, 255); box-shadow:4px 4px 4px 4px rgb(3, 195, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6027, 46.2696, 101.5568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 195, 255) }
```

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

```
.background{ background-color: rgb(3, 195,  
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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