

# Converting Colors

XYZ(23.0287, 39.6079, 89.9406)

Have a look what the booklet for  
XYZ(23.0287, 39.6079, 89.9406)  
contains.

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# Color

**XYZ(35.8434, 46.2834,  
90.2635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C5F1
RGB	0, 197, 241
RGB Percent	0%, 77%, 95%
CMY	0.9998, 0.2274, 0.0549
CMYK	1.00, 0.18, 0.00, 0.05
HSL	191°, 100%, 47%
HSV	191°, 100%, 95%
XYZ	35.8434, 46.2834, 90.2635
YIQ	143.1130, -131.5360, -28.0800

# Conversions

## Conversions Part 2

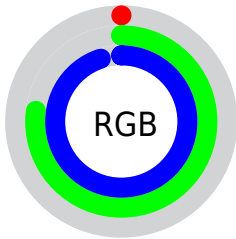
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 108, 241
Decimal	50673
CIELab	73.73, -25.53, -33.17
CIELCh	74, 41.858, 232.425
Yxy	46.2834, 0.2079, 0.2685
Android (android.graphics.Color)	4278240753 (0xFF00C5F1)
YUV	143.1130, 48.2583, -125.5101
Hunter-Lab	68.0319, -25.0110, -31.0426

# Details

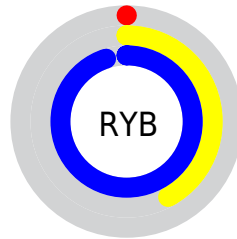
The XYZ color **35.8434, 46.2834, 90.2635** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.1793, 20.5070, 2.0005**, and the grayscale version is **26.0126, 27.3673, 29.8029**.

A 20% lighter version of the original color is **60.0474, 81.4831, 107.1707**, and **18.5794, 23.1477, 49.3877** is the 20% darker color. If you saturate the color by 10%, you get **35.8416, 46.2794, 90.2638**, and if you desaturate by 10%, it is **37.2388, 48.5088, 90.6204**.

# Distribution



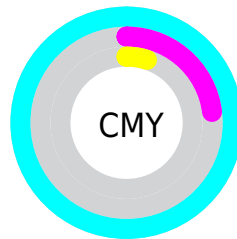
- Red (0%)
- Green (77%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (23%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8434, 46.2834, 90.2635 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 35.8434, 46.2834, 90.2635 by changing the saturation by 10% instead.



35.8434, 46.2834,  
90.2635

35.8434, 46.2834,  
90.2635

319.7187,  
371.9468, 549.4798

24.4828, 32.4695,  
67.6243

68.1157, 84.6430,  
149.6431

15.8188, 21.7204,  
49.1273

89.7582, 109.9574,  
187.2205

9.4861, 13.6516,  
34.3542

115.5587,  
139.8742, 230.6144

5.1192, 7.8787,  
22.8863

145.8826,  
174.7778, 280.2433

2.3528, 4.0175,  
14.3050

181.0951,  
215.0524, 336.5257

0.8215, 1.6833,  
8.1920

221.5618,

0.0000, 0.4128,

261.0825, 399.8803

4.1285

267.6479,  
313.2525, 470.7255

■ 0.0000, 0.0000,  
1.6961

■ 0.0000, 0.0000,  
0.3581

■ 35.8434, 46.2834,  
90.2635

■ 35.8434, 46.2834,  
90.2635

■ 35.8416, 46.2794,  
90.2638

■ 37.2388, 48.5088,  
90.6204

■ 39.1330, 51.0343,  
91.0081

■ 41.6744, 53.9374,  
91.4345

■ 44.9505, 57.2637,  
91.9038

■ 49.0349, 61.0514,  
92.4197

■ 53.9921, 65.3341,  
92.9850

■ 59.8798, 70.1419,  
93.6027

■ 66.7508, 75.5023,  
94.2752

■ 74.6536, 81.4408,  
95.0050

# Harmonies

## Analogous

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



32.0649, 46.2834, 67.6650



35.8434, 46.2834, 90.2635



42.1349, 46.2834, 102.7907

# Triad

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



35.8434, 46.2834, 90.2635



59.7226, 46.2834, 55.9817



38.7643, 46.2834, 21.2513

# Complementary

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



35.8434, 46.2834, 90.2635



37.1793, 20.5070, 2.0005

# 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.



45.9008, 46.2834, 19.7494



35.8434, 46.2834, 90.2635



58.5588, 46.2834, 36.3456

# Square

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



35.8434, 46.2834, 90.2635



56.3098, 46.2834, 79.6807



53.2882, 46.2834, 24.4301



33.6142, 46.2834, 29.3399



# Rectangle

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



35.8434, 46.2834, 90.2635



47.1362, 46.2834, 101.8270



53.2882, 46.2834, 24.4301



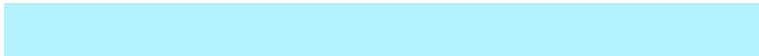
40.9889, 46.2834, 20.0730

# Sweetspot

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



35.8450, 46.2850, 90.2647



67.9892, 79.6726, 106.4027



31.8432, 63.0664, 12.5218



13.9193, 16.5431, 22.7095



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

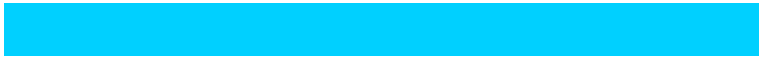


# Same Dimension

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



35.8450, 46.2850, 90.2647



40.7117, 52.5435, 102.6039



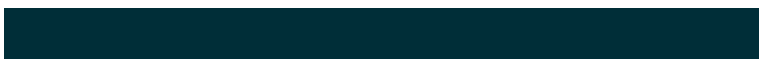
18.7744, 12.1438, 84.5745



15.9876, 17.4094, 20.2393



19.5277, 25.2797, 48.9781



1.6876, 2.2292, 4.0956



# Inverse Universe

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



46.3550, 22.7337, 54.7697



52.6786, 25.8354, 62.1649



48.9668, 44.0820, 5.9296



16.3232, 15.9790, 19.2582



25.1823, 12.3454, 29.9403



2.1268, 1.0398, 2.6584



# Previews

## White Background



This preview shows how the XYZ color 35.8434, 46.2834, 90.2635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

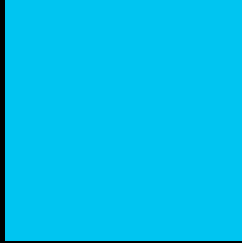
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.8434, 46.2834, 90.2635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

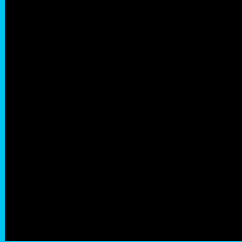
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.8434, 46.2834, 90.2635**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8434, 46.2834, 90.2635.



This preview shows how white text looks on a background with the XYZ color 35.8434, 46.2834,



# 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

35.8434, 46.2834, 90.2635

### Protanopia

45.9340, 45.7117, 79.0753

### Deuteranopia

46.7008, 45.5104, 92.7092



## Tritanopia

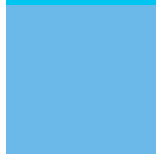
33.0489, 46.2664, 72.1542

# Trichromacy



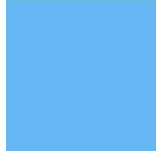
## Original Color

35.8434, 46.2834, 90.2635



## Protanomaly

37.9779, 43.6499, 82.7676



## Deuteranomaly

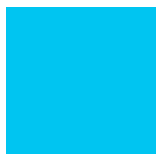
38.9491, 43.6374, 91.9580



## Tritanomaly

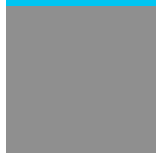
34.0140, 46.2831, 78.3750

# Monochromacy



## Original Color

35.8434, 46.2834, 90.2635



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

25.5483, 31.6732, 47.4148

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8434, 46.2834, 90.2635 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, 197, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 241)  
}
```

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, 197, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8434, 46.2834, 90.2635 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, 197, 241) }
```



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

```
.border{ border-color:rgb(0, 197, 241) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8434, 46.2834, 90.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 241) }
```

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

```
.background{ background-color: rgb(0, 197,  
241) }
```

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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