

# Converting Colors

XYZ(33.0971, 45.0933, 82.5676)

Have a look what the booklet for  
XYZ(33.0971, 45.0933, 82.5676)  
contains.

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# Color

**XYZ(34.3901, 45.7020,  
82.6101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C5E7
RGB	0, 197, 231
RGB Percent	0%, 77%, 91%
CMY	0.9997, 0.2274, 0.0941
CMYK	1.00, 0.15, 0.00, 0.09
HSL	189°, 100%, 45%
HSV	189°, 100%, 91%
XYZ	34.3901, 45.7020, 82.6101
YIQ	141.9730, -128.3260, -31.1900

# Conversions

## Conversions Part 2

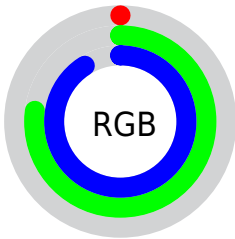
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 106, 231
Decimal	50663
CIELab	73.35, -28.85, -28.36
CIELCh	73, 40.452, 224.508
Yxy	45.7020, 0.2114, 0.2809
Android (android.graphics.Color)	4278240743 (0xFF00C5E7)
YUV	141.9730, 43.8903, -124.5103
Hunter-Lab	67.6033, -27.5019, -25.1292

# Details

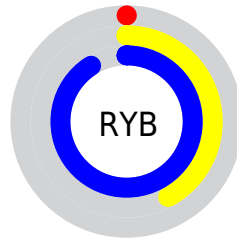
The XYZ color **34.3901, 45.7020, 82.6101** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **33.5297, 18.1371, 1.7355**, and the grayscale version is **25.5773, 26.9093, 29.3042**.

A 20% lighter version of the original color is **59.9222, 81.4186, 107.1649**, and **17.5603, 22.7401, 44.0212** is the 20% darker color. If you saturate the color by 10%, you get **34.3885, 45.6987, 82.6104**, and if you desaturate by 10%, it is **35.5290, 47.4493, 82.8882**.

# Distribution



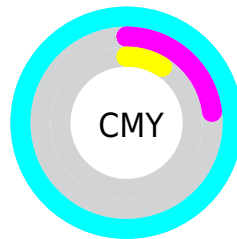
- Red (0%)
- Green (77%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (23%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3901, 45.7020, 82.6101 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 34.3901, 45.7020, 82.6101 by changing the saturation by 10% instead.





 34.3901, 45.7020,  
82.6101


 34.3901, 45.7020,  
82.6101


313.4234,  
369.6093, 523.6231


 23.3578, 32.0107,  
61.3298


 65.8801, 83.7728,  
138.8736


 14.9800, 21.3697,  
44.0591


 87.0685, 108.9212,  
174.6939


 8.8916, 13.3945,  
30.3794

 112.3729,  
138.6574, 216.1979

 4.7271, 7.7008,  
19.8723

 142.1588,  
173.3658, 263.8042

 2.1211, 3.9041,  
12.1191

 176.7914,  
213.4307, 317.9313

 0.7007, 1.6200,  
6.7013

216.6361,

 0.0000, 0.3711,

259.2367, 378.9978

3.2004

262.0584,  
311.1681, 447.4222

■ 0.0000, 0.0000,  
1.1979

■ 0.0000, 0.0000,  
0.0000

■ 34.3901, 45.7020,  
82.6101

■ 34.3901, 45.7020,  
82.6101

■ 34.3885, 45.6987,  
82.6104

■ 35.5290, 47.4493,  
82.8882

■ 37.1091, 49.4493,  
83.1910

■ 39.2669, 51.7733,  
83.5258

■ 42.0810, 54.4620,  
83.8965

■ 45.6174, 57.5496,  
84.3061

■ 49.9342, 61.0661,  
84.7573

■ 55.0831, 65.0386,  
85.2527

■ 61.1118, 69.4914,  
85.7944

■ 68.0638, 74.4475,  
86.3846

# Harmonies

## Analogous

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



31.4891, 45.7020, 60.2424



34.3901, 45.7020, 82.6101



39.8841, 45.7020, 97.9027

# Triad

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



34.3901, 45.7020, 82.6101



58.0087, 45.7020, 60.9833



40.0988, 45.7020, 20.6416

# Complementary

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



34.3901, 45.7020, 82.6101



33.5297, 18.1371, 1.7355

# 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.



47.1978, 45.7020, 20.7386



34.3901, 45.7020, 82.6101



58.0825, 45.7020, 40.5731

# Square

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



34.3901, 45.7020, 82.6101



53.7573, 45.7020, 83.2787



53.9490, 45.7020, 27.0300



34.5324, 45.7020, 26.7146



# Rectangle

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



34.3901, 45.7020, 82.6101



44.5232, 45.7020, 99.9626



53.9490, 45.7020, 27.0300



42.3713, 45.7020, 20.0202

# Sweetspot

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



34.3916, 45.7036, 82.6112



68.7968, 81.2877, 106.6719



28.8226, 57.2511, 10.8180



14.1145, 16.9336, 22.7745



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.



34.3916, 45.7036, 82.6112



42.9811, 57.0822, 103.3604



17.6531, 12.2267, 77.0317



14.6172, 15.9557, 18.4537



19.3503, 25.7627, 46.3360



1.4794, 2.0027, 3.4406



# Inverse Universe

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



43.0344, 21.0219, 54.6142



53.8241, 26.2936, 68.1968



43.2849, 37.6475, 4.9873



14.8991, 14.5768, 17.6690



24.1606, 11.7985, 30.8045

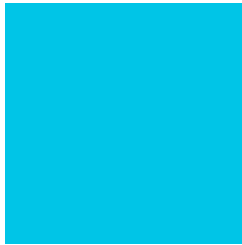


1.8104, 0.8819, 2.4079



# Previews

## White Background



This preview shows how the XYZ color 34.3901, 45.7020, 82.6101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

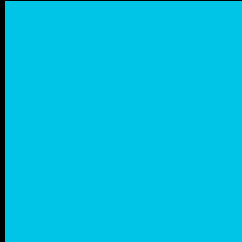
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.3901, 45.7020, 82.6101 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 34.3901, 45.7020, 82.6101

## Background



This preview shows how black text looks on a background with the XYZ color 34.3901, 45.7020, 82.6101.



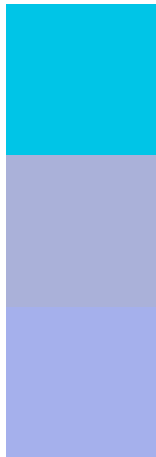
This preview shows how white text looks on a background with the XYZ color 34.3901, 45.7020,



# 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

34.3901, 45.7020, 82.6101

### Protanopia

44.8241, 45.0001, 71.9690

### Deuteranopia

46.1827, 45.1061, 85.6291



## Tritanopia

32.6892, 45.7531, 71.3983

# Trichromacy



## Original Color

34.3901, 45.7020, 82.6101



## Protanomaly

36.5096, 42.7431, 75.4332



## Deuteranomaly

37.8175, 43.2248, 84.1919



## Tritanomaly

33.2452, 45.6086, 75.4578

# Monochromacy



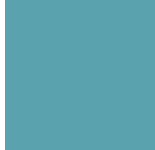
## Original Color

34.3901, 45.7020, 82.6101



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

24.7768, 31.0703, 44.7357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3901, 45.7020, 82.6101 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3901, 45.7020, 82.6101 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, 231) }
```



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

```
.border{ border-color:rgb(0, 197, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.3901, 45.7020, 82.6101 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, 231) }
```

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

```
.background{ background-color: rgb(0, 197,  
231) }
```

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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