

# Converting Colors

XYZ(26.6193, 42.2001, 88.3461)

Have a look what the booklet for  
XYZ(26.6193, 42.2001, 88.3461)  
contains.

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# Color

**XYZ(36.0034, 47.0788,  
88.8509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C7EF
RGB	0, 199, 239
RGB Percent	0%, 78%, 94%
CMY	0.9997, 0.2196, 0.0627
CMYK	1.00, 0.17, 0.00, 0.06
HSL	190°, 100%, 47%
HSV	190°, 100%, 94%
XYZ	36.0034, 47.0788, 88.8509
YIQ	144.0590, -131.4440, -29.7480

# Conversions

## Conversions Part 2

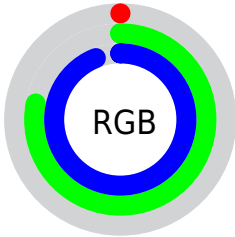
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 109, 239
Decimal	51183
CIELab	74.24, -27.19, -31.31
CIElCh	74, 41.468, 229.026
Yxy	47.0788, 0.2094, 0.2738
Android (android.graphics.Color)	4278241263 (0xFF00C7EF)
YUV	144.0590, 46.8059, -126.3397
Hunter-Lab	68.6140, -26.4113, -28.7471

# Details

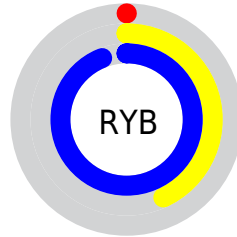
The XYZ color **36.0034, 47.0788, 88.8509** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **36.3584, 19.8731, 1.9215**, and the grayscale version is **26.3970, 27.7716, 30.2433**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.6726, 23.6697, 48.3843** is the 20% darker color. If you saturate the color by 10%, you get **36.0016, 47.0749, 88.8512**, and if you desaturate by 10%, it is **37.3128, 49.1393, 89.1805**.

# Distribution



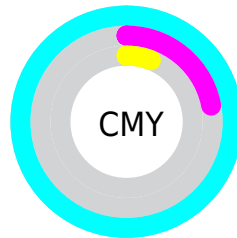
- Red (0%)
- Green (78%)
- Blue (94%)



- Red (0%)
- Yellow (43%)
- Blue (94%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (22%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0034, 47.0788, 88.8509 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 36.0034, 47.0788, 88.8509 by changing the saturation by 10% instead.





 36.0034, 47.0788,  
88.8509


 36.0034, 47.0788,  
88.8509


320.4064,  
375.1290, 544.7591

 24.6069, 33.0980,  
66.4596


 68.3611, 85.8312,  
147.6627


 15.9116, 22.2015,  
48.1868


 90.0532, 111.3716,  
184.9204


 9.5521, 14.0050,  
33.6138


 115.9077,  
141.5340, 227.9707

 5.1630, 8.1242,  
22.3221

 146.2902,  
176.7027, 277.2320

 2.3789, 4.1745,  
13.8932

 181.5659,  
217.2621, 333.1230

 0.8346, 1.7716,  
7.9085

222.1003,

 0.0000, 0.4694,

263.5967, 396.0621

3.9495

268.2587,  
316.0909, 466.4680

■ 0.0000, 0.0000,  
1.5977

■ 0.0000, 0.0000,  
0.2892

■ 36.0034, 47.0788,  
88.8509

■ 36.0034, 47.0788,  
88.8509

■ 36.0016, 47.0749,  
88.8512

■ 37.3128, 49.1393,  
89.1805

■ 39.1067, 51.4850,  
89.5388

■ 41.5309, 54.1921,  
89.9335

■ 44.6712, 57.3050,  
90.3688

■ 48.5995, 60.8612,  
90.8482

■ 53.3789, 64.8934,  
91.3746

■ 59.0660, 69.4310,  
91.9507

■ 65.7123, 74.5008,  
92.5790

■ 73.3654, 80.1278,  
93.2617

# Harmonies

## Analogous

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



32.5351, 47.0788, 65.8168



36.0034, 47.0788, 88.8509



42.0775, 47.0788, 102.9447

# Triad

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



36.0034, 47.0788, 88.8509



60.3185, 47.0788, 59.4660



40.2418, 47.0788, 21.4560

# Complementary

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



36.0034, 47.0788, 88.8509



36.3584, 19.8731, 1.9215

# 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.



47.5271, 47.0788, 20.6333



36.0034, 47.0788, 88.8509



59.6861, 47.0788, 39.0267

# Square

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



36.0034, 47.0788, 88.8509



56.4453, 47.0788, 83.1075



54.8026, 47.0788, 26.1249



34.7882, 47.0788, 28.8082



# Rectangle

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



36.0034, 47.0788, 88.8509



47.0299, 47.0788, 103.3305



54.8026, 47.0788, 26.1249



42.5392, 47.0788, 20.5016

# Sweetspot

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



36.0050, 47.0805, 88.8521



68.3348, 80.3638, 106.5179



31.2488, 61.8866, 12.2959



14.0028, 16.7101, 22.7373



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.



36.0050, 47.0805, 88.8521



41.6715, 54.4630, 102.9238



18.4286, 11.9277, 82.9933



16.0090, 17.4522, 20.2464



19.9789, 26.1821, 49.1285



1.7212, 2.2963, 4.1067



# Inverse Universe

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



45.9068, 22.4760, 55.9530



53.1630, 26.0292, 64.7159



48.0569, 43.2701, 5.8210



16.3340, 15.9833, 19.3151



25.4100, 12.4364, 31.1395

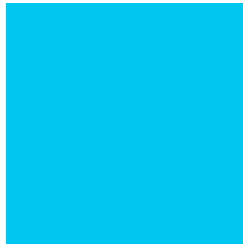


2.1437, 1.0465, 2.7476



# Previews

## White Background



This preview shows how the XYZ color 36.0034, 47.0788, 88.8509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

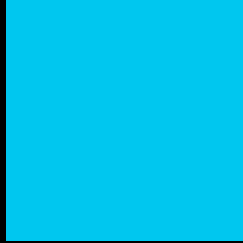
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.0034, 47.0788, 88.8509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

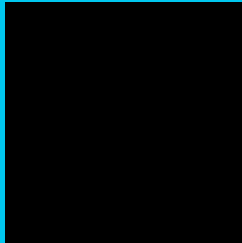
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.0034, 47.0788, 88.8509**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0034, 47.0788, 88.8509.



This preview shows how white text looks on a background with the XYZ color 36.0034, 47.0788,



# 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

36.0034, 47.0788, 88.8509

### Protanopia

46.2883, 46.2225, 77.7163

### Deuteranopia

47.7591, 46.6644, 92.0779



## Tritanopia

33.6449, 47.2508, 72.9927

# Trichromacy



## Original Color

36.0034, 47.0788, 88.8509



## Protanomaly

38.0262, 44.0191, 81.3553



## Deuteranomaly

39.2948, 44.4717, 90.5172



## Tritanomaly

34.4773, 47.2095, 78.5294

# Monochromacy



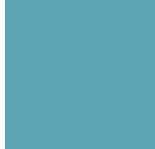
## Original Color

36.0034, 47.0788, 88.8509



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

25.8258, 32.0809, 47.4789

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0034, 47.0788, 88.8509 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, 199, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 239)  
}
```

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, 199, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0034, 47.0788, 88.8509 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, 199, 239) }
```



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

```
.border{ border-color:rgb(0, 199, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0034, 47.0788, 88.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 239) }
```

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

```
.background{ background-color: rgb(0, 199,  
239) }
```

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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