

Converting Colors

XYZ(30.9695, 44.8826, 87.5754)

Have a look what the booklet for
XYZ(30.9695, 44.8826, 87.5754)
contains.

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Color

**XYZ(36.0869, 47.4816,
88.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8EE
RGB	0, 200, 238
RGB Percent	0%, 78%, 93%
CMY	0.9997, 0.2157, 0.0667
CMYK	1.00, 0.16, 0.00, 0.07
HSL	190°, 100%, 47%
HSV	190°, 100%, 93%
XYZ	36.0869, 47.4816, 88.1518
YIQ	144.5320, -131.3980, -30.5820

Conversions

Conversions Part 2

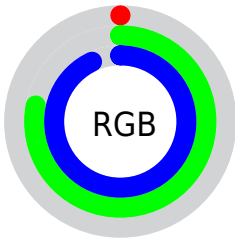
Format	Color
RYB	0, 109, 238
Decimal	51438
CIELab	74.50, -28.02, -30.37
CIELCh	74, 41.323, 227.311
Yxy	47.4816, 0.2101, 0.2765
Android (android.graphics.Color)	4278241518 (0xFF00C8EE)
YUV	144.5320, 46.0797, -126.7546
Hunter-Lab	68.9069, -27.1057, -27.6142

Details

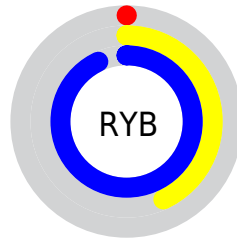
The XYZ color **36.0869, 47.4816, 88.1518** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **35.9558, 19.5679, 1.8838**, and the grayscale version is **26.5901, 27.9748, 30.4646**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.7224, 23.9352, 47.8891** is the 20% darker color. If you saturate the color by 10%, you get **36.0852, 47.4780, 88.1521**, and if you desaturate by 10%, it is **37.3525, 49.4580, 88.4675**.

Distribution



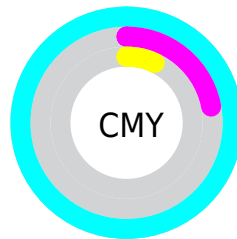
- Red (0%)
- Green (78%)
- Blue (93%)



- Red (0%)
- Yellow (43%)
- Blue (93%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0869, 47.4816, 88.1518 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 36.0869, 47.4816, 88.1518 by changing the saturation by 10% instead.

36.0869, 47.4816,
88.1518

36.0869, 47.4816,
88.1518

320.7648,
376.7336, 542.4144

24.6717, 33.4165,
65.8837

68.4892, 86.4321,
146.6815

15.9601, 22.4457,
47.7221

90.2070, 112.0862,
183.7802

9.5866, 14.1848,
33.2485

116.0897,
142.3723, 226.6595

5.1859, 8.2493,
22.0442

146.5028,
177.6745, 275.7380

2.3926, 4.2549,
13.6907

181.8114,
218.3774, 331.4342

0.8414, 1.8171,
7.7696

222.3811,

0.0000, 0.4978,

264.8652, 394.1666

3.8622

268.5771,
317.5225, 464.3538

■ 0.0000, 0.0000,
1.5501

■ 0.0000, 0.0000,
0.2548

■ 36.0869, 47.4816,
88.1518

■ 36.0869, 47.4816,
88.1518

■ 36.0852, 47.4780,
88.1521

■ 37.3525, 49.4580,
88.4675

■ 39.0956, 51.7125,
88.8108

■ 41.4608, 54.3206,
89.1896

■ 44.5328, 57.3263,
89.6078

■ 48.3831, 60.7665,
90.0689

■ 53.0739, 64.6737,
90.5758

■ 58.6611, 69.0769,
91.1313

■ 65.1959, 74.0026,
91.7376

■ 72.7253, 79.4753,
92.3971

Harmonies

Analogous

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



32.7749, 47.4816, 64.9106



36.0869, 47.4816, 88.1518



42.0520, 47.4816, 103.0187

Triad

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



36.0869, 47.4816, 88.1518



60.6183, 47.4816, 61.2574



40.9951, 47.4816, 21.5632

Complementary

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



36.0869, 47.4816, 88.1518



35.9558, 19.5679, 1.8838

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.



48.3543, 47.4816, 21.0881



36.0869, 47.4816, 88.1518



60.2546, 47.4816, 40.4146

Square

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



36.0869, 47.4816, 88.1518



56.5147, 47.4816, 84.8508



55.5698, 47.4816, 27.0025



35.3869, 47.4816, 28.5503

Rectangle

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



36.0869, 47.4816, 88.1518



46.9797, 47.4816, 104.0822



55.5698, 47.4816, 27.0025



43.3292, 47.4816, 20.7221

Sweetspot

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



36.0885, 47.4833, 88.1530



68.5107, 80.7155, 106.5765



30.8904, 61.2761, 11.8490



14.0453, 16.7951, 22.7515



0.0000, 0.0000, 0.0000



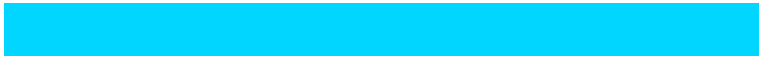
20.3446, 21.4041, 23.3091

Same Dimension

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



36.0885, 47.4833, 88.1530



42.1665, 55.4530, 103.0888



18.5532, 12.4127, 82.3079



16.0199, 17.4739, 20.2501



20.2115, 26.6473, 49.2061



1.7384, 2.3308, 4.1125

Inverse Universe

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



45.6866, 22.3490, 56.5510



53.4129, 26.1292, 66.0316



46.9361, 41.5284, 5.5439



16.3395, 15.9855, 19.3439



25.5275, 12.4834, 31.7578



2.1524, 1.0500, 2.7935

Previews

White Background



This preview shows how the XYZ color 36.0869, 47.4816, 88.1518 looks on a white background.

Color Contrast Check

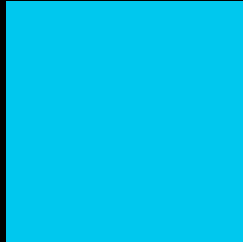
Large Text (above 18pt) WCAG AA × Fail

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 36.0869, 47.4816, 88.1518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

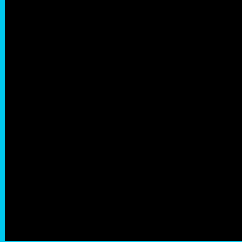
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0869, 47.4816, 88.1518

Background



This preview shows how black text looks on a background with the XYZ color 36.0869, 47.4816, 88.1518.



This preview shows how white text looks on a background with the XYZ color 36.0869, 47.4816,

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

36.0869, 47.4816, 88.1518

Protanopia

46.7891, 46.7950, 77.0873

Deuteranopia

48.0236, 46.8183, 91.2997



Tritanopia

33.7754, 47.3030, 73.6799

Trichromacy



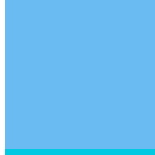
Original Color

36.0869, 47.4816, 88.1518



Protanomaly

38.2199, 44.4490, 80.6939



Deuteranomaly

39.5914, 44.9557, 89.8097



Tritanomaly

34.4773, 47.2095, 78.5294

Monochromacy



Original Color

36.0869, 47.4816, 88.1518



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.0054, 32.4403, 47.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0869, 47.4816, 88.1518 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, 200, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 238)  
}
```

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, 200, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 238) }
```

Border

The CSS property to change the border of an element to XYZ 36.0869, 47.4816, 88.1518 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, 200, 238) }
```


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

```
.border{ border-color:rgb(0, 200, 238) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0869, 47.4816, 88.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 238) }
```

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

```
.background{ background-color: rgb(0, 200,  
238) }
```

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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