

Converting Colors

XYZ(36.8253, 48.2195, 89.5710)

Have a look what the booklet for
XYZ(36.8253, 48.2195, 89.5710)
contains.

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Color

**XYZ(36.8460, 48.1837,
89.7965)**

Conversions

Conversions Part 1

Format	Color
Hex	11C9F0
RGB	17, 201, 240
RGB Percent	7%, 79%, 94%
CMY	0.9331, 0.2118, 0.0588
CMYK	0.93, 0.16, 0.00, 0.06
HSL	190°, 88%, 50%
HSV	190°, 93%, 94%
XYZ	36.8460, 48.1837, 89.7965
YIQ	150.4300, -122.1830, -26.8790

Conversions

Conversions Part 2

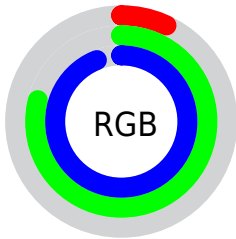
Format	Color
R _Y B	17, 118, 240
Decimal	1165808
CIE Lab	74.94, -27.41, -30.76
CIE LCh	75, 41.202, 228.297
Yxy	48.1837, 0.2108, 0.2756
Android (android.graphics.Color)	4279355888 (0xFF11C9F0)
YUV	150.4300, 44.1580, -117.0181
Hunter-Lab	69.4145, -26.7255, -28.1091

Details

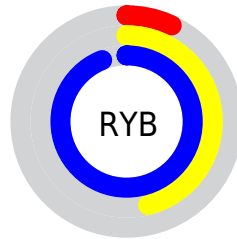
The XYZ color **36.8460, 48.1837, 89.7965** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.4536, 21.3990, 2.6887**, and the grayscale version is **29.0340, 30.5461, 33.2647**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **19.0854, 24.3281, 49.0373** is the 20% darker color. If you saturate the color by 10%, you get **35.9271, 46.6888, 89.5573**, and if you desaturate by 10%, it is **38.5241, 50.5224, 90.1604**.

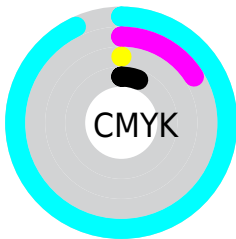
Distribution



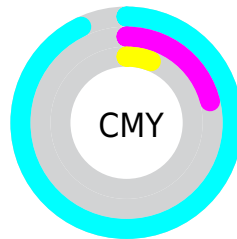
- Red (7%)
- Green (79%)
- Blue (94%)



- Red (7%)
- Yellow (46%)
- Blue (94%)



- Cyan (93%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)





- Cyan (93%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8460, 48.1837, 89.7965 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 36.8460, 48.1837, 89.7965 by changing the saturation by 10% instead.


 36.8460, 48.1837,
89.7965


 36.8460, 48.1837,
89.7965


324.0104,
379.5198, 547.9217

 25.2614, 33.9724,
67.2391


 69.6512, 87.4779,
148.9887

 16.4017, 22.8724,
48.8162


 91.6026, 113.3295,
186.4607


 9.9015, 14.4993,
34.1091


 117.7402,
143.8300, 229.7412

 5.3955, 8.4688,
22.6994

 148.4296,
179.3638, 279.2489

 2.5182, 4.3963,
14.1685

 184.0359,
220.3153, 335.4022

 0.9045, 1.8976,
8.0979

224.9246,

 0.0000, 0.5470,

267.0689, 398.6197

4.0690

271.4610,
320.0089, 469.3201

■ 0.0000, 0.0000,
1.6632

■ 0.0000, 0.0000,
0.3354

■ 36.8460, 48.1837,
89.7965

■ 36.8460, 48.1837,
89.7965

■ 35.9271, 46.6888,
89.5573

■ 38.5241, 50.5224,
90.1604

■ 40.8099, 53.2136,
90.5594

■ 43.7975, 56.3068,
90.9990

■ 47.5629, 59.8417,
91.4828

■ 52.1723, 63.8526,
92.0141

■ 57.6845, 68.3701,
92.5955

■ 64.1530, 73.4222,
93.2297

■ 71.6270, 79.0343,
93.9191

■ 80.1524, 85.2306,
94.6657

Harmonies

Analogous

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



33.4088, 48.1837, 66.5487



36.8460, 48.1837, 89.7965



42.9299, 48.1837, 104.2774

Triad

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



36.8460, 48.1837, 89.7965



61.4436, 48.1837, 61.3081



41.4114, 48.1837, 22.1784

Complementary

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



36.8460, 48.1837, 89.7965



37.4536, 21.3990, 2.6887

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.



48.7893, 48.1837, 21.4921



36.8460, 48.1837, 89.7965



60.9221, 48.1837, 40.5213

Square

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



36.8460, 48.1837, 89.7965



57.4473, 48.1837, 85.0688



56.0919, 48.1837, 27.2472



35.8393, 48.1837, 29.4790

Rectangle

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



36.8460, 48.1837, 89.7965



47.9129, 48.1837, 104.9536



56.0919, 48.1837, 27.2472



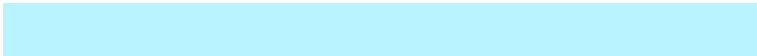
43.7447, 48.1837, 21.2575

Sweetspot

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



36.8476, 48.1854, 89.7977



69.6258, 81.1698, 106.6054



32.0632, 62.7088, 13.9297



14.2396, 16.8502, 22.7519



0.0000, 0.0000, 0.0000



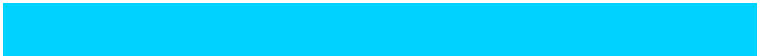
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8476, 48.1854, 89.7977



41.1944, 53.5088, 102.7648



19.7328, 13.9558, 84.0928



15.9985, 17.4310, 20.2429



19.7546, 25.7335, 49.0538



1.7045, 2.2630, 4.1012

Inverse Universe

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



46.6797, 23.1450, 57.2670



52.9222, 25.9329, 63.4477



49.6159, 45.7236, 6.7428



16.3287, 15.9812, 19.2869



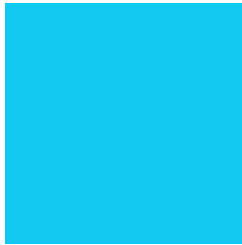
25.2969, 12.3912, 30.5435



2.1353, 1.0432, 2.7033

Previews

White Background



This preview shows how the XYZ color 36.8460, 48.1837, 89.7965 looks on a white background.

Color Contrast Check

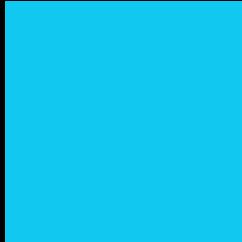
Large Text (above 18pt) WCAG AA × Fail

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 36.8460, 48.1837, 89.7965 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 36.8460, 48.1837, 89.7965

Background



This preview shows how black text looks on a background with the XYZ color 36.8460, 48.1837, 89.7965.



This preview shows how white text looks on a background with the XYZ color 36.8460, 48.1837,

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

36.8460, 48.1837, 89.7965

Protanopia

47.4849, 47.4230, 78.6023

Deuteranopia

48.7390, 47.4506, 92.9763



Tritanopia

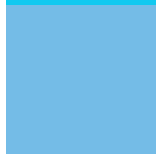
34.5111, 48.3530, 75.2243

Trichromacy



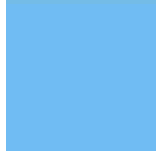
Original Color

36.8460, 48.1837, 89.7965



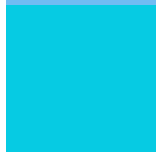
Protanomaly

39.6095, 45.4490, 82.2862



Deuteranomaly

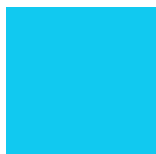
40.8430, 45.8822, 91.4975



Tritanomaly

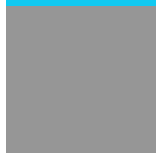
35.2962, 48.2966, 80.1349

Monochromacy



Original Color

36.8460, 48.1837, 89.7965



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

28.2147, 34.6196, 49.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8460, 48.1837, 89.7965 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(17, 201, 240)` looks like.

```
.text, #text, p{  
    color:rgb(17, 201, 240)  
}
```

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(17, 201, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 201, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.8460, 48.1837, 89.7965 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(17, 201, 240) }
```


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

```
.border{ border-color:rgb(17, 201, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 201, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 201, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 201, 240);  
box-shadow:4px 4px 4px 4px rgb(17, 201,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8460, 48.1837, 89.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 201, 240) }
```

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

```
.background{ background-color: rgb(17, 201,  
240) }
```

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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