

Converting Colors

XYZ(36.1368, 47.6626, 90.0097)

Have a look what the booklet for
XYZ(36.1368, 47.6626, 90.0097)
contains.

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Color

**XYZ(36.6148, 48.0646,
89.7857)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9F0
RGB	0, 201, 240
RGB Percent	0%, 79%, 94%
CMY	0.9998, 0.2118, 0.0588
CMYK	1.00, 0.16, 0.00, 0.06
HSL	190°, 100%, 47%
HSV	190°, 100%, 94%
XYZ	36.6148, 48.0646, 89.7857
YIQ	145.3470, -132.3150, -30.4830

Conversions

Conversions Part 2

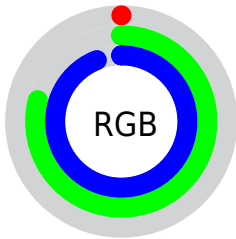
Format	Color
RYB	0, 109, 240
Decimal	51696
CIELab	74.87, -27.85, -30.88
CIELCh	75, 41.587, 227.955
Yxy	48.0646, 0.2099, 0.2755
Android (android.graphics.Color)	4278241776 (0xFF00C9F0)
YUV	145.3470, 46.6639, -127.4693
Hunter-Lab	69.3286, -27.0532, -28.2549

Details

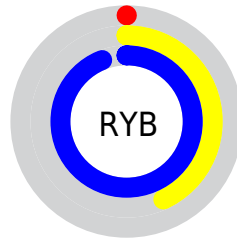
The XYZ color **36.6148, 48.0646, 89.7857** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.6634, 19.9806, 1.9260**, and the grayscale version is **26.9174, 28.3192, 30.8396**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.0854, 24.3281, 49.0373** is the 20% darker color. If you saturate the color by 10%, you get **36.6133, 48.0612, 89.7861**, and if you desaturate by 10%, it is **37.9148, 50.1028, 90.1115**.

Distribution



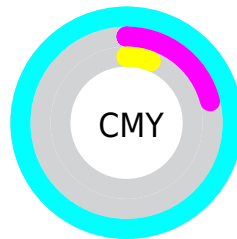
- Red (0%)
- Green (79%)
- Blue (94%)



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



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6148, 48.0646, 89.7857 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 36.6148, 48.0646, 89.7857 by changing the saturation by 10% instead.


 36.6148, 48.0646,
89.7857


 36.6148, 48.0646,
89.7857


323.0244,
379.0481, 547.8856


 25.0817, 33.8780,
67.2302


 69.2976, 87.3006,
148.9736

 16.2670, 22.7999,
48.8090

 91.1781, 113.1188,
186.4431


 9.8053, 14.4458,
34.1034


 117.2383,
143.5830, 229.7210

 5.3313, 8.4314,
22.6951

 147.8438,
179.0777, 279.2258

 2.4797, 4.3722,
14.1653

 183.3597,
219.9871, 335.3762

 0.8850, 1.8839,
8.0957

224.1516,

 0.0000, 0.5387,

266.6957, 398.5906

4.0676

270.5847,
319.5879, 469.2875

■ 0.0000, 0.0000,
1.6625

■ 0.0000, 0.0000,
0.3348

■ 36.6148, 48.0646,
89.7857

■ 36.6148, 48.0646,
89.7857

■ 36.6133, 48.0612,
89.7861

■ 37.9148, 50.1028,
90.1115

■ 39.7027, 52.4262,
90.4658

■ 42.1256, 55.1118,
90.8564

■ 45.2702, 58.2044,
91.2876

■ 49.2092, 61.7418,
91.7628

■ 54.0062, 65.7570,
92.2850

■ 59.7185, 70.2798,
92.8569

■ 66.3981, 75.3373,
93.4811

■ 74.0930, 80.9543,
94.1597

Harmonies

Analogous

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



33.1918, 48.0646, 66.2618



36.6148, 48.0646, 89.7857



42.7140, 48.0646, 104.5897

Triad

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



36.6148, 48.0646, 89.7857



61.4447, 48.0646, 61.5218



41.3432, 48.0646, 21.8565

Complementary

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



36.6148, 48.0646, 89.7857



36.6634, 19.9806, 1.9260

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.



48.7885, 48.0646, 21.2410



36.6148, 48.0646, 89.7857



60.9728, 48.0646, 40.5092

Square

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



36.6148, 48.0646, 89.7857



57.3652, 48.0646, 85.5012



56.1392, 48.0646, 27.0847



35.7070, 48.0646, 29.0909

Rectangle

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



36.6148, 48.0646, 89.7857



47.7277, 48.0646, 105.4113



56.1392, 48.0646, 27.0847



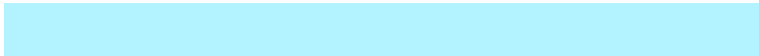
43.6994, 48.0646, 20.9591

Sweetspot

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



36.6164, 48.0663, 89.7869



68.4459, 80.5860, 106.5549



31.4805, 62.4490, 12.0679



14.0297, 16.7638, 22.7462



0.0000, 0.0000, 0.0000



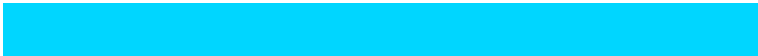
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6164, 48.0663, 89.7869



41.9837, 55.0875, 103.0279



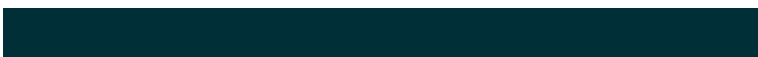
18.9026, 12.6387, 83.8823



16.0159, 17.4659, 20.2487



20.1256, 26.4755, 49.1774



1.7320, 2.3181, 4.1104

Inverse Universe

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



46.4792, 22.7440, 57.2003



53.3207, 26.0923, 65.5458



47.8282, 42.3101, 5.6476



16.3375, 15.9847, 19.3333



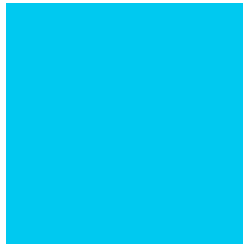
25.4841, 12.4661, 31.5296



2.1492, 1.0487, 2.7765

Previews

White Background



This preview shows how the XYZ color 36.6148, 48.0646, 89.7857 looks on a white background.

Color Contrast Check

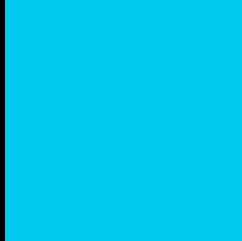
Large Text (above 18pt) WCAG AA × Fail

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 36.6148, 48.0646, 89.7857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

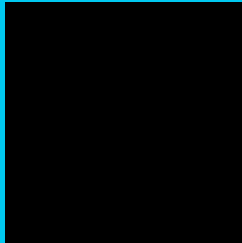
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6148, 48.0646, 89.7857

Background



This preview shows how black text looks on a background with the XYZ color 36.6148, 48.0646, 89.7857.

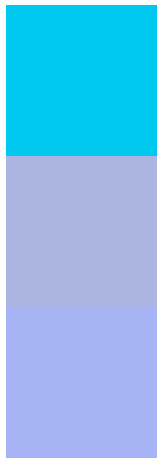


This preview shows how white text looks on a background with the XYZ color 36.6148, 48.0646,

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

36.6148, 48.0646, 89.7857

Protanopia

47.2646, 47.3094, 78.5920

Deuteranopia

48.5286, 47.3421, 92.9664



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



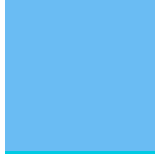
Original Color

36.6148, 48.0646, 89.7857



Protanomaly

38.7137, 44.9872, 82.2443



Deuteranomaly

40.1047, 45.5017, 91.4630



Tritanomaly

34.9857, 47.7871, 80.0529

Monochromacy



Original Color

36.6148, 48.0646, 89.7857



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.1070, 32.4809, 48.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6148, 48.0646, 89.7857 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, 201, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 201, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.6148, 48.0646, 89.7857 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, 201, 240) }
```


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

```
.border{ border-color:rgb(0, 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(0, 201, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6148, 48.0646, 89.7857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 240) }
```

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

```
.background{ background-color: rgb(0, 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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