

Converting Colors

XYZ(36.7223, 48.2781, 89.6542)

Have a look what the booklet for
XYZ(36.7223, 48.2781, 89.6542)
contains.

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Color

**XYZ(36.6524, 48.0839,
89.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	03C9F0
RGB	3, 201, 240
RGB Percent	1%, 79%, 94%
CMY	0.9880, 0.2118, 0.0588
CMYK	0.99, 0.16, 0.00, 0.06
HSL	190°, 97%, 48%
HSV	190°, 99%, 94%
XYZ	36.6524, 48.0839, 89.7874
YIQ	146.2440, -130.5270, -29.8470

Conversions

Conversions Part 2

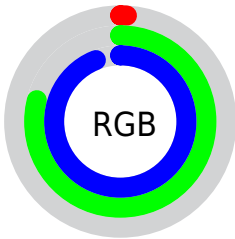
Format	Color
R _Y B	3, 111, 240
Decimal	248304
CIE Lab	74.88, -27.78, -30.86
CIE LCh	75, 41.524, 228.011
Yxy	48.0839, 0.2100, 0.2755
Android (android.graphics.Color)	4278438384 (0xFF03C9F0)
YUV	146.2440, 46.2217, -125.6250
Hunter-Lab	69.3426, -26.9997, -28.2312

Details

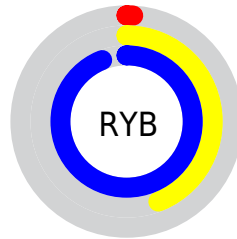
The XYZ color **36.6524, 48.0839, 89.7874** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.7828, 20.1931, 2.0472**, and the grayscale version is **27.2855, 28.7065, 31.2614**.

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 **36.4979, 47.8305, 89.7476**, and if you desaturate by 10%, it is **38.0023, 50.1654, 90.1190**.

Distribution



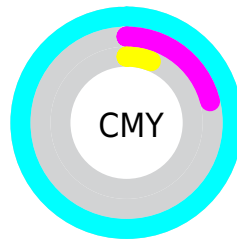
- Red (1%)
- Green (79%)
- Blue (94%)



- Red (1%)
- Yellow (44%)
- Blue (94%)



- Cyan (99%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)





- Cyan (99%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6524, 48.0839, 89.7874 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 36.6524, 48.0839, 89.7874 by changing the saturation by 10% instead.


 36.6524, 48.0839,
89.7874


 36.6524, 48.0839,
89.7874


323.1849,
379.1246, 547.8913


 25.1109, 33.8933,
67.2316

 69.3552, 87.3293,
148.9760


 16.2889, 22.8117,
48.8101

 91.2471, 113.1529,
186.4459


 9.8209, 14.4545,
34.1043


 117.3200,
143.6231, 229.7242

 5.3418, 8.4375,
22.6957

 147.9391,
179.1240, 279.2295

 2.4859, 4.3761,
14.1658

 183.4698,
220.0403, 335.3803

 0.8882, 1.8861,
8.0960

224.2774,

 0.0000, 0.5400,

266.7562, 398.5952

4.0678

270.7273,
319.6562, 469.2927

■ 0.0000, 0.0000,
1.6626

■ 0.0000, 0.0000,
0.3349

■ 36.6524, 48.0839,
89.7874

■ 36.6524, 48.0839,
89.7874

■ 36.4979, 47.8305,
89.7476

■ 38.0023, 50.1654,
90.1190

■ 39.8739, 52.5505,
90.4807

■ 42.3930, 55.3050,
90.8796

■ 45.6441, 58.4728,
91.3197

■ 49.6986, 62.0909,
91.8044

■ 54.6193, 66.1920,
92.3366

■ 60.4625, 70.8054,
92.9191

■ 67.2799, 75.9578,
93.5543

■ 75.1192, 81.6742,
94.2445

Harmonies

Analogous

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



33.2270, 48.0839, 66.3085



36.6524, 48.0839, 89.7874



42.7492, 48.0839, 104.5385

Triad

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



36.6524, 48.0839, 89.7874



61.4444, 48.0839, 61.4865



41.3542, 48.0839, 21.9088

Complementary

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



36.6524, 48.0839, 89.7874



36.7828, 20.1931, 2.0472

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.



48.7884, 48.0839, 21.2818



36.6524, 48.0839, 89.7874



60.9643, 48.0839, 40.5110

Square

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



36.6524, 48.0839, 89.7874



57.3785, 48.0839, 85.4302



56.1313, 48.0839, 27.1111



35.7284, 48.0839, 29.1540

Rectangle

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



36.6524, 48.0839, 89.7874



47.7578, 48.0839, 105.3362



56.1313, 48.0839, 27.1111



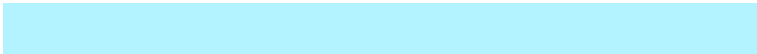
43.7067, 48.0839, 21.0076

Sweetspot

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



36.6540, 48.0856, 89.7886



68.3988, 80.4917, 106.5392



31.5587, 62.4846, 12.2832



14.0183, 16.7410, 22.7424



0.0000, 0.0000, 0.0000



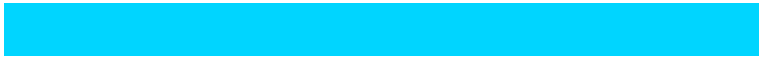
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6540, 48.0856, 89.7886



41.8511, 54.8221, 102.9837



19.0943, 12.9661, 83.9354



16.0130, 17.4601, 20.2478



20.0633, 26.3508, 49.1566



1.7274, 2.3088, 4.1088

Inverse Universe

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



46.5118, 22.8093, 57.2110



53.2537, 26.0655, 65.1931



48.0222, 42.6717, 5.7936



16.3360, 15.9841, 19.3256



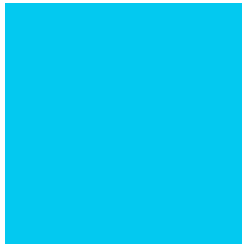
25.4526, 12.4535, 31.3638



2.1469, 1.0478, 2.7643

Previews

White Background



This preview shows how the XYZ color 36.6524, 48.0839, 89.7874 looks on a white background.

Color Contrast Check

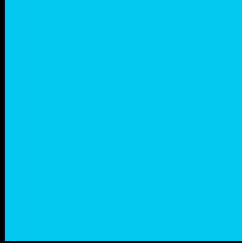
Large Text (above 18pt) WCAG AA × Fail

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 36.6524, 48.0839, 89.7874 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 36.6524, 48.0839, 89.7874

Background



This preview shows how black text looks on a background with the XYZ color 36.6524, 48.0839, 89.7874.

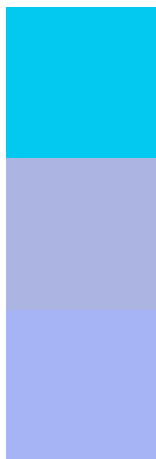


This preview shows how white text looks on a background with the XYZ color 36.6524, 48.0839,

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

36.6524, 48.0839, 89.7874

Protanopia

47.2646, 47.3094, 78.5920

Deuteranopia

48.5286, 47.3421, 92.9664



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



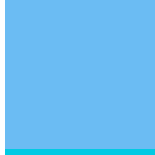
Original Color

36.6524, 48.0839, 89.7874



Protanomaly

38.9626, 45.1155, 82.2559



Deuteranomaly

40.2243, 45.5633, 91.4686



Tritanomaly

34.9982, 47.7936, 80.0535

Monochromacy



Original Color

36.6524, 48.0839, 89.7874



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.4905, 32.9474, 48.1433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6524, 48.0839, 89.7874 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(3, 201, 240)` looks like.

```
.text, #text, p{  
    color:rgb(3, 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(3, 201, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 201, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.6524, 48.0839, 89.7874 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(3, 201, 240) }
```


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

```
.border{ border-color:rgb(3, 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(3, 201, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 201, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 201, 240);  
box-shadow:4px 4px 4px 4px rgb(3, 201,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6524, 48.0839, 89.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 201, 240) }
```

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

```
.background{ background-color: rgb(3, 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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