

Converting Colors

XYZ(36.2733, 48.7841, 85.3475)

Have a look what the booklet for
XYZ(36.2733, 48.7841, 85.3475)
contains.

XYZ(36.2072, 48.6524, 85.3244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.2072, 48.6524,
85.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBEA
RGB	0, 203, 234
RGB Percent	0%, 80%, 92%
CMY	0.9998, 0.2039, 0.0823
CMYK	1.00, 0.13, 0.00, 0.08
HSL	188°, 100%, 46%
HSV	188°, 100%, 92%
XYZ	36.2072, 48.6524, 85.3244
YIQ	145.8370, -130.9390, -33.3950

Conversions

Conversions Part 2

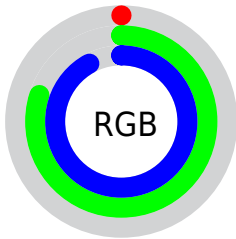
Format	Color
RYB	0, 109, 234
Decimal	52202
CIELab	75.23, -30.80, -27.09
CIELCh	75, 41.014, 221.334
Yxy	48.6524, 0.2128, 0.2859
Android (android.graphics.Color)	4278242282 (0xFF00CBEA)
YUV	145.8370, 43.4644, -127.8990
Hunter-Lab	69.7513, -29.4071, -23.7016

Details

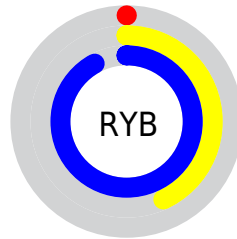
The XYZ color **36.2072, 48.6524, 85.3244** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **34.4239, 18.4758, 1.7536**, and the grayscale version is **27.1290, 28.5418, 31.0821**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.6258, 24.3942, 45.8463** is the 20% darker color. If you saturate the color by 10%, you get **36.2061, 48.6500, 85.3249**, and if you desaturate by 10%, it is **37.3117, 50.3206, 85.5891**.

Distribution



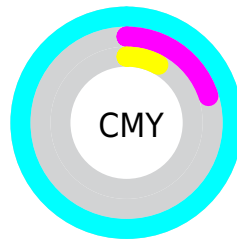
- Red (0%)
- Green (80%)
- Blue (92%)



- Red (0%)
- Yellow (43%)
- Blue (92%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2072, 48.6524, 85.3244 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 36.2072, 48.6524, 85.3244 by changing the saturation by 10% instead.


 36.2072, 48.6524,
85.3244


 36.2072, 48.6524,
85.3244


321.2807,
381.3723, 532.8734


 24.7651, 34.3438,
63.5578


 68.6735, 88.1750,
142.7045


 16.0299, 23.1579,
45.8487


 90.4285, 114.1578,
179.1551


 9.6363, 14.7101,
31.7786


 116.3518,
144.8007, 221.3373

 5.2189, 8.6162,
20.9291

 146.8088,
180.4883, 269.6699

 2.4123, 4.4917,
12.8814

 182.1648,
221.6048, 324.5712

 0.8513, 1.9522,
7.2172

222.7852,

 0.0000, 0.5795,

268.5347, 386.4599

3.5178

269.0354,
321.6624, 455.7545

■ 0.0000, 0.0000,
1.3647

■ 0.0000, 0.0000,
0.1140

■ 36.2072, 48.6524,
85.3244

■ 36.2072, 48.6524,
85.3244

■ 36.2061, 48.6500,
85.3249

■ 37.3117, 50.3206,
85.5891

■ 38.8679, 52.2427,
85.8781

■ 41.0158, 54.4918,
86.1990

■ 43.8366, 57.1100,
86.5557

■ 47.3986, 60.1324,
86.9514

■ 51.7615, 63.5900,
87.3888

■ 56.9788, 67.5106,
87.8706

■ 63.0996, 71.9196,
88.3990

■ 70.1689, 76.8402,
88.9762

Harmonies

Analogous

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



33.4575, 48.6524, 61.5423



36.2072, 48.6524, 85.3244



41.7649, 48.6524, 102.7275

Triad

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



36.2072, 48.6524, 85.3244



61.3492, 48.6524, 67.3734



43.4570, 48.6524, 21.8471

Complementary

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



36.2072, 48.6524, 85.3244



34.4239, 18.4758, 1.7536

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.



51.0296, 48.6524, 22.6158



36.2072, 48.6524, 85.3244



61.9292, 48.6524, 45.2407

Square

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



36.2072, 48.6524, 85.3244



56.4717, 48.6524, 90.5769



57.9797, 48.6524, 30.0494



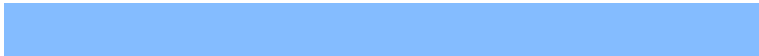
37.3300, 48.6524, 27.5544

Rectangle

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



36.2072, 48.6524, 85.3244



46.5804, 48.6524, 106.1364



57.9797, 48.6524, 30.0494



45.9066, 48.6524, 21.4085

Sweetspot

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



36.2088, 48.6541, 85.3256



69.1361, 81.9664, 106.7850



29.6259, 58.9275, 10.8712



14.1967, 17.0979, 22.8019



0.0000, 0.0000, 0.0000



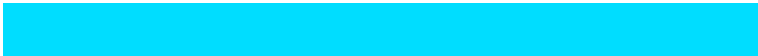
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2088, 48.6541, 85.3256



43.9622, 59.0444, 103.6874



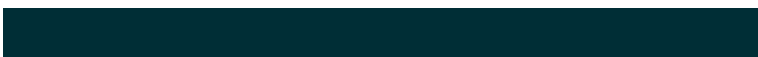
18.4863, 13.2091, 79.4181



15.3376, 16.7615, 19.3492



20.4127, 27.4724, 47.9698



1.6502, 2.2518, 3.7825

Inverse Universe

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



44.7126, 21.8059, 58.3540



54.3193, 26.4917, 70.8046



43.9548, 37.5376, 4.9305



15.6239, 15.2774, 18.5709



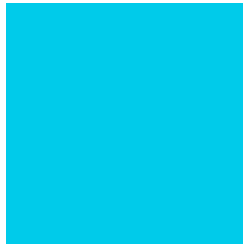
25.1587, 12.2662, 32.9667



1.9994, 0.9727, 2.7143

Previews

White Background



This preview shows how the XYZ color 36.2072, 48.6524, 85.3244 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 36.2072, 48.6524, 85.3244 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

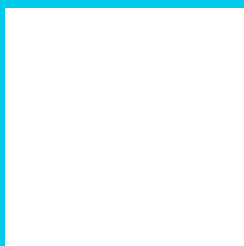
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2072, 48.6524, 85.3244

Background



This preview shows how black text looks on a background with the XYZ color 36.2072, 48.6524, 85.3244.



This preview shows how white text looks on a background with the XYZ color 36.2072, 48.6524,

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

36.2072, 48.6524, 85.3244

Protanopia

47.5507, 47.8533, 74.4406

Deuteranopia

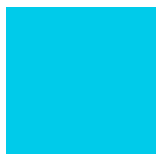
49.1171, 48.0504, 88.3473



Tritanopia

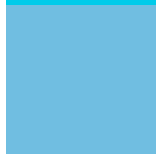
34.8825, 48.8831, 76.0035

Trichromacy



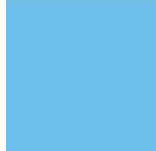
Original Color

36.2072, 48.6524, 85.3244



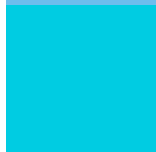
Protanomaly

38.6862, 45.7079, 78.0177



Deuteranomaly

39.7903, 45.7608, 86.8563



Tritanomaly

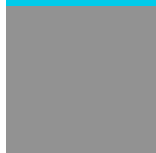
35.3203, 48.6767, 79.4855

Monochromacy



Original Color

36.2072, 48.6524, 85.3244



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.3688, 33.1789, 47.1339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2072, 48.6524, 85.3244 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, 203, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 234)  
}
```

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, 203, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 234) }
```

Border

The CSS property to change the border of an element to XYZ 36.2072, 48.6524, 85.3244 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, 203, 234) }
```


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

```
.border{ border-color:rgb(0, 203, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2072, 48.6524, 85.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 234) }
```

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

```
.background{ background-color: rgb(0, 203,  
234) }
```

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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