

Converting Colors

XYZ(36.0012, 42.5787, 7.6432)

Have a look what the booklet for
XYZ(36.0012, 42.5787, 7.6432)
contains.

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Color

**XYZ(35.8959, 42.4064,
7.5897)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B31F
RGB	183, 179, 31
RGB Percent	72%, 70%, 12%
CMY	0.2824, 0.2980, 0.8784
CMYK	0.00, 0.02, 0.83, 0.28
HSL	58°, 71%, 42%
HSV	58°, 83%, 72%
XYZ	35.8959, 42.4064, 7.5897
YIQ	163.3240, 49.8920, -45.1800

Conversions

Conversions Part 2

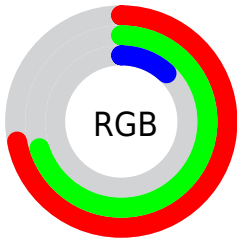
Format	Color
R _Y B	35, 183, 31
Decimal	12038943
CIE Lab	71.15, -14.23, 67.95
CIE LCh	71, 69.424, 101.830
Yxy	42.4064, 0.4179, 0.4937
Android (android.graphics.Color)	4290229023 (0xFFB7B31F)
YUV	163.3240, -65.2357, 17.2559
Hunter-Lab	65.1202, -15.5666, 38.6739

Details

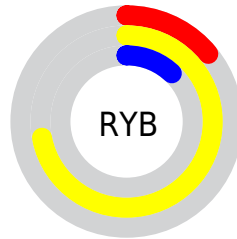
The XYZ color **35.8959, 42.4064, 7.5897** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.7136, 4.9125, 45.2358**, and the grayscale version is **35.2499, 37.0856, 40.3862**.

A 20% lighter version of the original color is **67.9725, 78.4956, 21.6938**, and **16.1936, 19.6144, 2.9325** is the 20% darker color. If you saturate the color by 10%, you get **35.6240, 42.1453, 6.6282**, and if you desaturate by 10%, it is **36.3069, 42.7269, 9.2735**.

Distribution



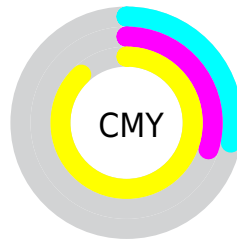
- Red (72%)
- Green (70%)
- Blue (12%)



- Red (14%)
- Yellow (72%)
- Blue (12%)



- Cyan (0%)
- Magenta (2%)
- Yellow (83%)
- Black (28%)





- Cyan (28%)
- Magenta (30%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8959, 42.4064, 7.5897 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 35.8959, 42.4064, 7.5897 by changing the saturation by 10% instead.


 35.8959, 42.4064,
7.5897


 35.8959, 42.4064,
7.5897


319.9445,
356.1649, 182.2902


 24.5235, 29.4196,
3.7496


 68.1963, 78.8143,
21.6828


 15.8493, 19.3985,
1.4890


 89.8550, 103.0043,
32.7729


 9.5077, 11.9586,
0.2097


 115.6733,
131.6974, 47.1166

 5.1336, 6.7155,
0.0000

 146.0164,
165.2782, 65.1327

 2.3614, 3.2848,
0.0000

 181.2497,
204.1309, 87.2395

 0.8258, 1.2822,
0.0000

 221.7386,

 0.0000, 0.1273,

248.6400, 113.8557

0.0000

267.8484,
299.1898, 145.3997

■ 0.0000, 0.0000,
0.0000

■ 35.8959, 42.4064,
7.5897

■ 35.8959, 42.4064,
7.5897

■ 35.6240, 42.1453,
6.6282

■ 36.3069, 42.7269,
9.2735

■ 35.4866, 41.9837,
6.2333

■ 36.8744, 43.1090,
11.7837

■ 37.6162, 43.5613,
15.2103

■ 38.5470, 44.0897,
19.6307

■ 39.6801, 44.6996,
25.1143

■ 41.0274, 45.3958,
31.7243

■ 42.5999, 46.1825,
39.5189

■ 44.4080, 47.0641,
48.5522

■ 46.4613, 48.0442,
58.8751

Harmonies

Analogous

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



47.6838, 42.4064, 8.1527



35.8959, 42.4064, 7.5897



27.1637, 42.4064, 13.0189

Triad

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



35.8959, 42.4064, 7.5897



25.8425, 42.4064, 103.3604



65.4854, 42.4064, 69.1439

Complementary

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



35.8959, 42.4064, 7.5897



9.7136, 4.9125, 45.2358

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.



57.1223, 42.4064, 112.1626



35.8959, 42.4064, 7.5897



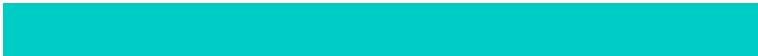
33.7314, 42.4064, 137.5831

Square

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



35.8959, 42.4064, 7.5897



22.1515, 42.4064, 60.5766



45.0633, 42.4064, 141.4110



66.3733, 42.4064, 34.2559

Rectangle

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



35.8959, 42.4064, 7.5897



23.6412, 42.4064, 22.0709



45.0633, 42.4064, 141.4110



63.3900, 42.4064, 83.4558

Sweetspot

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



35.8969, 42.4084, 7.5906



72.8753, 80.9953, 53.8399



20.3381, 11.1755, 2.7602



15.9066, 17.7919, 10.9618



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.8969, 42.4084, 7.5906



63.5279, 75.1359, 11.1544



23.8719, 37.4151, 7.2606



9.7294, 10.4618, 9.6134



24.7645, 29.3053, 4.3513



0.8794, 1.0459, 0.1555

Inverse Universe

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



9.7136, 4.9125, 45.2358



15.3756, 6.2585, 80.6333



14.5098, 7.2204, 45.4284



8.5395, 8.7563, 11.3195



6.0071, 2.4738, 31.4140



0.2182, 0.1001, 1.1096

Previews

White Background



This preview shows how the XYZ color 35.8959, 42.4064, 7.5897 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 35.8959, 42.4064, 7.5897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

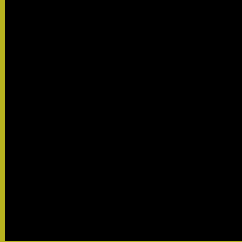
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8959, 42.4064, 7.5897

Background



This preview shows how black text looks on a background with the XYZ color 35.8959, 42.4064, 7.5897.



This preview shows how white text looks on a background with the XYZ color 35.8959, 42.4064,

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

35.8959, 42.4064, 7.5897

Protanopia

38.3293, 42.4894, 7.4094

Deuteranopia

43.0516, 42.1235, 7.8691



Tritanopia

44.3051, 42.4021, 49.0293

Trichromacy



Original Color

35.8959, 42.4064, 7.5897

Protanomaly

37.2455, 42.2208, 7.4147

Deuteranomaly

40.1623, 42.0048, 7.7412

Tritanomaly

39.5640, 41.5793, 25.6790

Monochromacy



Original Color

35.8959, 42.4064, 7.5897

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8600, 38.1598, 21.8006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8959, 42.4064, 7.5897 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(183, 179, 31)` looks like.

```
.text, #text, p{  
    color:rgb(183, 179, 31)  
}
```

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(183, 179, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 179, 31) }
```

Border

The CSS property to change the border of an element to XYZ 35.8959, 42.4064, 7.5897 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(183, 179, 31) }
```


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

```
.border{ border-color:rgb(183, 179, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 179, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 179, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 179, 31);  
box-shadow:4px 4px 4px 4px rgb(183, 179,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8959, 42.4064, 7.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 179, 31) }
```

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

```
.background{ background-color: rgb(183,  
179, 31) }
```

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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