

Converting Colors

XYZ(36.7891, 42.8752, 7.2564)

Have a look what the booklet for
XYZ(36.7891, 42.8752, 7.2564)
contains.

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Color

**XYZ(36.7891, 42.8752,
7.2564)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB319
RGB	187, 179, 25
RGB Percent	73%, 70%, 10%
CMY	0.2667, 0.2980, 0.9019
CMYK	0.00, 0.04, 0.87, 0.27
HSL	57°, 76%, 42%
HSV	57°, 87%, 73%
XYZ	36.7891, 42.8752, 7.2564
YIQ	163.8360, 54.2020, -46.1980

Conversions

Conversions Part 2

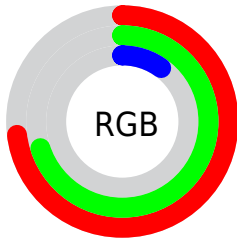
Format	Color
RYB	33, 187, 25
Decimal	12301081
CIELab	71.47, -12.64, 69.72
CIELCh	71, 70.860, 100.275
Yxy	42.8752, 0.4232, 0.4933
Android (android.graphics.Color)	4290491161 (0xFFBBB319)
YUV	163.8360, -68.4461, 20.3148
Hunter-Lab	65.4792, -14.2993, 39.2649

Details

The XYZ color **36.7891, 42.8752, 7.2564** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.9146, 4.8825, 47.4332**, and the grayscale version is **35.5072, 37.3563, 40.6810**.

A 20% lighter version of the original color is **69.5420, 79.3244, 20.8784**, and **16.6426, 19.8459, 2.9535** is the 20% darker color. If you saturate the color by 10%, you get **36.4647, 42.4521, 6.4533**, and if you desaturate by 10%, it is **37.2493, 43.3578, 8.7599**.

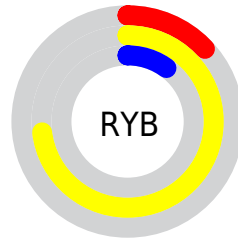
Distribution



Red (73%)

Green (70%)

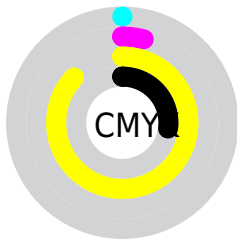
Blue (10%)



Red (13%)

Yellow (73%)

Blue (10%)

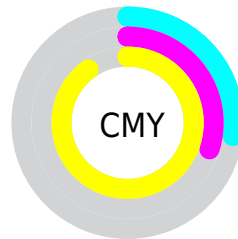


Cyan (0%)

Magenta (4%)

Yellow (87%)

Black (27%)



Cyan (27%)

Magenta (30%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7891, 42.8752, 7.2564 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 36.7891, 42.8752, 7.2564 by changing the saturation by 10% instead.

■ 36.7891, 42.8752,
7.2564

■ 36.7891, 42.8752,
7.2564

323.7679,
358.0983, 179.4885

■ 25.2172, 29.7872,
3.5421

■ 69.5642, 79.5225,
21.0088

■ 16.3685, 19.6771,
1.3777

■ 91.4982, 103.8506,
31.8839

■ 9.8778, 12.1606,
0.1242

■ 117.6168,
132.6942, 45.9831

■ 5.3797, 6.8531,
0.0000

■ 148.2855,
166.4377, 63.7249

■ 2.5087, 3.3704,
0.0000

■ 183.8696,
205.4654, 85.5278

■ 0.8997, 1.3280,
0.0000

■ 224.7345,

■ 0.0000, 0.1628,

250.1618, 111.8103

0.0000

271.2455,
300.9113, 142.9910

■ 0.0000, 0.0000,
0.0000

■ 36.7891, 42.8752,
7.2564

■ 36.7891, 42.8752,
7.2564

■ 36.4647, 42.4521,
6.4533

■ 37.2493, 43.3578,
8.7599

■ 36.3682, 42.3145,
6.2507

■ 37.8677, 43.9042,
11.0949

■ 38.6643, 44.5237,
14.3620

■ 39.6553, 45.2230,
18.6468

■ 40.8552, 46.0079,
24.0254

■ 42.2770, 46.8835,
30.5664

■ 43.9328, 47.8547,
38.3331

■ 45.8335, 48.9260,
47.3838

■ 47.9897, 50.1014,
57.7736

Harmonies

Analogous

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



49.0090, 42.8752, 8.0982



36.7891, 42.8752, 7.2564



27.6296, 42.8752, 12.3251

Triad

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



36.7891, 42.8752, 7.2564



25.6147, 42.8752, 103.4527



66.4326, 42.8752, 72.6020

Complementary

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



36.7891, 42.8752, 7.2564



9.9146, 4.8825, 47.4332

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.



57.4830, 42.8752, 117.0386



36.7891, 42.8752, 7.2564



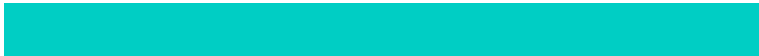
33.4781, 42.8752, 140.0634

Square

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



36.7891, 42.8752, 7.2564



22.0662, 42.8752, 59.4323



44.9889, 42.8752, 145.9821



67.7990, 42.8752, 35.9026

Rectangle

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



36.7891, 42.8752, 7.2564



23.8775, 42.8752, 21.0664



44.9889, 42.8752, 145.9821



64.1391, 42.8752, 87.5048

Sweetspot

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



36.7901, 42.8772, 7.2573



75.7753, 84.0029, 55.0089



21.1172, 11.3708, 2.5286



16.4810, 18.3743, 11.1594



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.7901, 42.8772, 7.2573



65.0828, 75.6795, 11.1774



24.8987, 39.1950, 7.1733



10.2808, 11.0376, 10.1653



25.0742, 29.1871, 4.3121



0.9947, 1.1683, 0.1731

Inverse Universe

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



9.9146, 4.8825, 47.4332



16.1955, 6.6877, 84.6387



14.3441, 6.8748, 47.5843



9.0533, 9.2989, 11.9899



6.2649, 2.6414, 32.5726



0.2585, 0.1296, 1.2803

Previews

White Background



This preview shows how the XYZ color 36.7891, 42.8752, 7.2564 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 36.7891, 42.8752, 7.2564 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 36.7891, 42.8752, 7.2564

Background



This preview shows how black text looks on a background with the XYZ color 36.7891, 42.8752, 7.2564.



This preview shows how white text looks on a background with the XYZ color 36.7891, 42.8752,

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

36.7891, 42.8752, 7.2564

Protanopia

38.5208, 42.5962, 7.0558

Deuteranopia

43.7584, 42.7659, 7.5384



Tritanopia

45.3456, 42.9385, 49.0780

Trichromacy



Original Color

36.7891, 42.8752, 7.2564

Protanomaly

37.6825, 42.4541, 7.0725

Deuteranomaly

41.1047, 42.7801, 7.3872

Tritanomaly

40.4491, 42.0504, 25.0534

Monochromacy



Original Color

36.7891, 42.8752, 7.2564

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1819, 38.3388, 21.2213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7891, 42.8752, 7.2564 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(187, 179, 25)` looks like.

```
.text, #text, p{  
    color:rgb(187, 179, 25)  
}
```

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(187, 179, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 179, 25) }
```

Border

The CSS property to change the border of an element to XYZ 36.7891, 42.8752, 7.2564 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(187, 179, 25) }
```


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

```
.border{ border-color:rgb(187, 179, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 179, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 179, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 179, 25);  
box-shadow:4px 4px 4px 4px rgb(187, 179,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7891, 42.8752, 7.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 179, 25) }
```

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

```
.background{ background-color: rgb(187,  
179, 25) }
```

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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