

Converting Colors

XYZ(38.2209, 47.4450, 7.1433)

Have a look what the booklet for
XYZ(38.2209, 47.4450, 7.1433)
contains.

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Color

**XYZ(38.1592, 47.3289,
7.1242)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BF00
RGB	183, 191, 0
RGB Percent	72%, 75%, 0%
CMY	0.2824, 0.2510, 0.9999
CMYK	0.04, 0.00, 1.00, 0.25
HSL	63°, 100%, 37%
HSV	63°, 100%, 75%
XYZ	38.1592, 47.3289, 7.1242
YIQ	166.8340, 56.5430, -61.0970

Conversions

Conversions Part 2

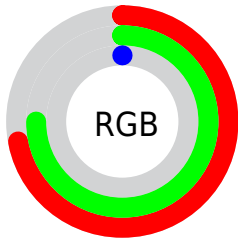
Format	Color
RYB	0, 191, 8
Decimal	12041984
CIELab	74.40, -20.80, 75.27
CIELCh	74, 78.091, 105.446
Yxy	47.3289, 0.4120, 0.5110
Android (android.graphics.Color)	4290232064 (0xFFB7BF00)
YUV	166.8340, -82.2492, 14.1776
Hunter-Lab	68.7960, -21.3841, 42.0174

Details

The XYZ color **38.1592, 47.3289, 7.1242** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.5053, 3.8141, 49.5284**, and the grayscale version is **37.0206, 38.9486, 42.4150**.

A 20% lighter version of the original color is **71.7081, 86.1703, 20.6377**, and **17.5459, 22.5369, 3.4253** is the 20% darker color. If you saturate the color by 10%, you get **38.1599, 47.3309, 7.1245**, and if you desaturate by 10%, it is **38.4698, 47.4770, 7.7580**.

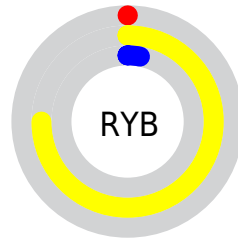
Distribution



Red (72%)

Green (75%)

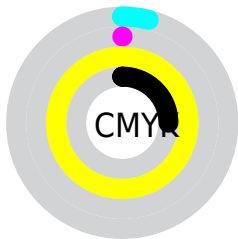
Blue (0%)



Red (0%)

Yellow (75%)

Blue (3%)

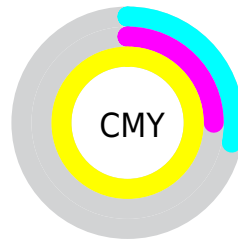


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1592, 47.3289, 7.1242 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 38.1592, 47.3289, 7.1242 by changing the saturation by 10% instead.

38.1592, 47.3289,
7.1242

38.1592, 47.3289,
7.1242

329.5715,
376.1258, 178.3617

26.2840, 33.2957,
3.4603

71.6544, 86.2044,
20.7397

17.1701, 22.3531,
1.3342

94.0052, 111.8154,
31.5284

10.4519, 14.1166,
0.0896

120.5785,
142.0546, 45.5292

5.7641, 8.2018,
0.0000

151.7398,
177.3063, 63.1604

2.7415, 4.2243,
0.0000

187.8544,
217.9549, 84.8407

1.0186, 1.7998,
0.0000

229.2876,

0.0000, 0.4871,

264.3847, 110.9887

0.0000

276.4049,
316.9802, 142.0228

■ 0.0000, 0.0000,
0.0000

■ 38.1592, 47.3289,
7.1242

■ 38.1592, 47.3289,
7.1242

■ 38.1599, 47.3309,
7.1245

■ 38.4698, 47.4770,
7.7580

■ 38.8967, 47.6699,
9.0037

■ 39.4831, 47.9268,
11.0831

■ 40.2500, 48.2560,
14.1079

■ 41.2156, 48.6648,
18.1727

■ 42.3955, 49.1595,
23.3609

■ 43.8040, 49.7457,
29.7470

■ 45.4541, 50.4287,
37.3996

■ 47.3578, 51.2132,
46.3817

Harmonies

Analogous

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



52.1293, 47.3289, 7.0411



38.1592, 47.3289, 7.1242



28.3333, 47.3289, 14.0538

Triad

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



38.1592, 47.3289, 7.1242



28.5525, 47.3289, 128.7802



76.5693, 47.3289, 73.5516

Complementary

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



38.1592, 47.3289, 7.1242



9.5053, 3.8141, 49.5284

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.



67.1408, 47.3289, 127.2170



38.1592, 47.3289, 7.1242



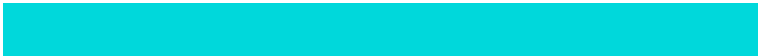
38.5247, 47.3289, 168.7406

Square

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



38.1592, 47.3289, 7.1242



23.6270, 47.3289, 75.0375



52.5791, 47.3289, 168.0536



76.4141, 47.3289, 33.5342

Rectangle

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



38.1592, 47.3289, 7.1242



24.5962, 47.3289, 25.5816



52.5791, 47.3289, 168.0536



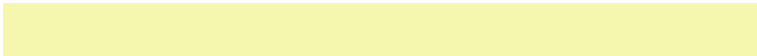
74.3418, 47.3289, 90.8879

Sweetspot

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



38.1603, 47.3311, 7.1252



78.3161, 89.0345, 52.6664



21.5566, 11.2158, 1.0293



16.9517, 19.4490, 10.4438



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.1603, 47.3311, 7.1252



68.2866, 84.7370, 12.7568



22.7660, 39.3951, 6.4047



10.2816, 11.0996, 10.1772



25.0943, 31.1124, 4.6827



0.9953, 1.2251, 0.1840

Inverse Universe

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



9.5053, 3.8141, 49.5284



16.9724, 6.8039, 88.6979



14.8706, 6.5800, 49.7795



9.0525, 9.2439, 11.9793



6.2631, 2.5148, 32.5482



0.2581, 0.1051, 1.2755

Previews

White Background



This preview shows how the XYZ color 38.1592, 47.3289, 7.1242 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 38.1592, 47.3289, 7.1242 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 38.1592, 47.3289, 7.1242

Background



This preview shows how black text looks on a background with the XYZ color 38.1592, 47.3289, 7.1242.



This preview shows how white text looks on a background with the XYZ color 38.1592, 47.3289,

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

38.1592, 47.3289, 7.1242

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

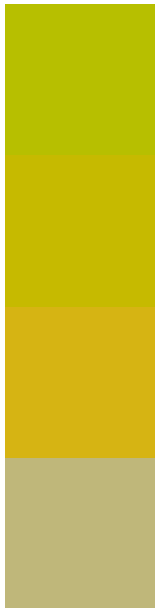
48.1329, 46.9698, 7.7575



Tritanopia

48.0893, 47.3381, 55.8928

Trichromacy



Original Color

38.1592, 47.3289, 7.1242

Protanomaly

40.8476, 47.1236, 6.9429

Deuteranomaly

44.1704, 46.9857, 7.3572

Tritanomaly

41.9322, 46.3485, 25.1484

Monochromacy



Original Color

38.1592, 47.3289, 7.1242

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3604, 40.9755, 19.6810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1592, 47.3289, 7.1242 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, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 0)  
}
```

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, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.1592, 47.3289, 7.1242 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, 191, 0) }
```


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

```
.border{ border-color:rgb(183, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1592, 47.3289, 7.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 0) }
```

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

```
.background{ background-color: rgb(183,  
191, 0) }
```

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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