

Converting Colors

XYZ(38.7449, 43.3639, 18.4613)

Have a look what the booklet for
XYZ(38.7449, 43.3639, 18.4613)
contains.

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Color

**XYZ(38.7142, 43.3257,
18.3788)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB264
RGB	187, 178, 100
RGB Percent	73%, 70%, 39%
CMY	0.2667, 0.3019, 0.6078
CMYK	0.00, 0.05, 0.47, 0.27
HSL	54°, 39%, 56%
HSV	54°, 47%, 73%
XYZ	38.7142, 43.3257, 18.3788
YIQ	171.7990, 30.4020, -22.3500

Conversions

Conversions Part 2

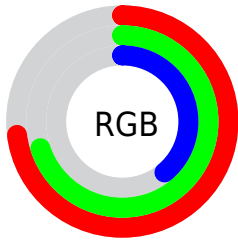
Format	Color
RYB	110, 187, 100
Decimal	12300900
CIELab	71.78, -7.71, 40.81
CIELCh	72, 41.528, 100.695
Yxy	43.3257, 0.3855, 0.4315
Android (android.graphics.Color)	4290490980 (0xFFBBB264)
YUV	171.7990, -35.3969, 13.3313
Hunter-Lab	65.8223, -10.2019, 29.5207

Details

The XYZ color **38.7142, 43.3257, 18.3788** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.6937, 17.2340, 49.3022**, and the grayscale version is **39.2745, 41.3198, 44.9973**.

A 20% lighter version of the original color is **72.7465, 80.5251, 41.4145**, and **17.5523, 20.0575, 5.9640** is the 20% darker color. If you saturate the color by 10%, you get **37.5294, 42.2421, 14.0196**, and if you desaturate by 10%, it is **40.1143, 44.5072, 23.8356**.

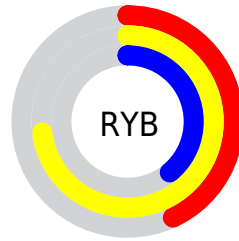
Distribution



Red (73%)

Green (70%)

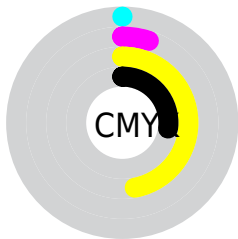
Blue (39%)



Red (43%)

Yellow (73%)

Blue (39%)

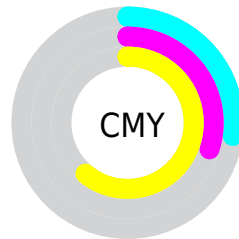


Cyan (0%)

Magenta (5%)

Yellow (47%)

Black (27%)



Cyan (27%)

Magenta (30%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7142, 43.3257, 18.3788 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 38.7142, 43.3257, 18.3788 by changing the saturation by 10% instead.

■ 38.7142, 43.3257,
18.3788

■ 38.7142, 43.3257,
18.3788

331.9020,
359.9495, 255.3050

■ 26.7172, 30.1407,
11.0500

■ 72.4984, 80.2021,
41.5044

■ 17.4964, 19.9454,
5.9859

■ 95.0163, 104.6624,
58.1382

■ 10.6865, 12.3554,
2.7679

■ 121.7718,
133.6499, 78.7109

■ 5.9222, 6.9862,
0.9774

■ 153.1304,
167.5490, 103.6409

■ 2.8380, 3.4535,
0.0000

189.4573,
206.7441, 133.3468

■ 1.0687, 1.3728,
0.0000

231.1180,

■ 0.0000, 0.1966,

251.6196, 168.2471

0.0000

278.4778,
302.5600, 208.7603

■ 0.0000, 0.0000,
0.0000

■ 38.7142, 43.3257,
18.3788

■ 38.7142, 43.3257,
18.3788

■ 37.5294, 42.2421,
14.0196

■ 40.1143, 44.5072,
23.8356

■ 36.5424, 41.2447,
10.6796

■ 41.7395, 45.7859,
30.4561

■ 35.7378, 40.3289,
8.2739


■ 43.6030, 47.1687,
38.3042


■ 35.0968, 39.4871,
6.7031


■ 45.7159, 48.6600,
47.4384


■ 34.5942, 38.7091,
5.8350


■ 48.0886, 50.2641,
57.9136

 34.4344, 38.4467,
5.6061

 50.7309, 51.9848,
69.7814

 53.6521, 53.8260,
83.0905

 56.8611, 55.7912,
97.8876

 58.1497, 56.9973,
102.5445

Harmonies

Analogous

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



45.8273, 43.3257, 19.1955



38.7142, 43.3257, 18.3788



32.9559, 43.3257, 23.4312

Triad

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



38.7142, 43.3257, 18.3788



31.7306, 43.3257, 77.2967



55.3488, 43.3257, 61.2129

Complementary

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



38.7142, 43.3257, 18.3788



19.6937, 17.2340, 49.3022

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.



50.6692, 43.3257, 83.1693



38.7142, 43.3257, 18.3788



36.8576, 43.3257, 94.1368

Square

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



38.7142, 43.3257, 18.3788



29.2408, 43.3257, 54.7546



43.7479, 43.3257, 96.5489



55.9930, 43.3257, 40.3281

Rectangle

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



38.7142, 43.3257, 18.3788



30.4508, 43.3257, 30.6050



43.7479, 43.3257, 96.5489



54.1724, 43.3257, 68.8496

Sweetspot

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



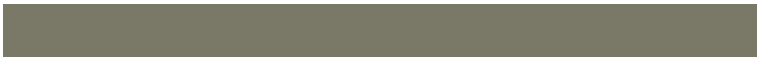
38.7153, 43.3277, 18.3797



78.9217, 85.0749, 72.1523



27.8736, 20.8086, 17.3426



17.2073, 18.6109, 15.1499



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.



38.7153, 43.3277, 18.3797



67.1411, 75.5844, 24.8476



33.3307, 43.2966, 18.6575



10.2357, 10.9474, 10.1502



23.7566, 26.5520, 3.8729



0.9551, 1.0891, 0.1599

Inverse Universe

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



19.6937, 17.2340, 49.3022



28.8697, 23.1080, 87.1401



23.2554, 17.7178, 49.2079



9.0938, 9.3799, 12.0034



6.3706, 2.8530, 32.6078



0.2764, 0.1655, 1.2862

Previews

White Background



This preview shows how the XYZ color 38.7142, 43.3257, 18.3788 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 38.7142, 43.3257, 18.3788 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 38.7142, 43.3257, 18.3788

Background



This preview shows how black text looks on a background with the XYZ color 38.7142, 43.3257, 18.3788.



This preview shows how white text looks on a background with the XYZ color 38.7142, 43.3257,

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

38.7142, 43.3257, 18.3788

Protanopia

39.7698, 43.2890, 18.0639

Deuteranopia

44.1325, 43.2607, 18.5945



Tritanopia

45.3964, 43.4891, 50.2576

Trichromacy



Original Color

38.7142, 43.3257, 18.3788

Protanomaly

39.4601, 43.4215, 18.1058

Deuteranomaly

42.0033, 43.2820, 18.4524

Tritanomaly

42.4123, 43.1095, 35.7914

Monochromacy



Original Color

38.7142, 43.3257, 18.3788

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.4558, 41.6945, 33.2151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7142, 43.3257, 18.3788 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, 178, 100)` looks like.

```
.text, #text, p{  
    color:rgb(187, 178, 100)  
}
```

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, 178, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 178, 100) }
```

Border

The CSS property to change the border of an element to XYZ 38.7142, 43.3257, 18.3788 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, 178, 100) }
```


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

```
.border{ border-color:rgb(187, 178, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 178, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 178, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 178, 100);  
box-shadow:4px 4px 4px 4px rgb(187, 178,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7142, 43.3257, 18.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 178, 100) }
```

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

```
.background{ background-color: rgb(187,  
178, 100) }
```

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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