

Converting Colors

XYZ(38.8247, 46.6963, 20.0549)

Have a look what the booklet for
XYZ(38.8247, 46.6963, 20.0549)
contains.

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Color

**XYZ(38.8277, 46.7418,
20.0723)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BD68
RGB	177, 189, 104
RGB Percent	69%, 74%, 41%
CMY	0.3059, 0.2588, 0.5921
CMYK	0.06, 0.00, 0.45, 0.26
HSL	68°, 39%, 57%
HSV	68°, 45%, 74%
XYZ	38.8277, 46.7418, 20.0723
YIQ	175.7220, 20.1330, -28.9790

Conversions

Conversions Part 2

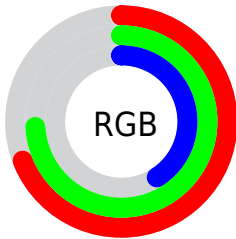
Format	Color
RYB	104, 189, 116
Decimal	11648360
CIELab	74.02, -17.04, 41.39
CIElCh	74, 44.758, 112.375
Yxy	46.7418, 0.3675, 0.4425
Android (android.graphics.Color)	4289838440 (0xFFB1BD68)
YUV	175.7220, -35.3589, 1.1208
Hunter-Lab	68.3680, -18.2698, 30.4505

Details

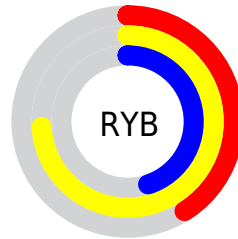
The XYZ color **38.8277, 46.7418, 20.0723** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.3399, 17.2889, 50.3593**, and the grayscale version is **41.2940, 43.4445, 47.3110**.

A 20% lighter version of the original color is **72.6699, 85.2316, 44.5195**, and **17.6384, 22.0856, 6.8233** is the 20% darker color. If you saturate the color by 10%, you get **37.3716, 46.0915, 15.5424**, and if you desaturate by 10%, it is **40.5131, 47.4886, 25.7379**.

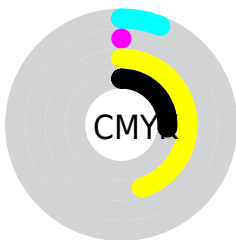
Distribution



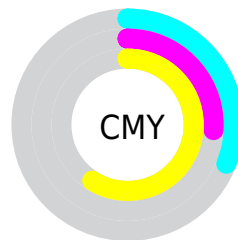
- Red (69%)
- Green (74%)
- Blue (41%)



- Red (41%)
- Yellow (74%)
- Blue (45%)



- Cyan (6%)
- Magenta (0%)
- Yellow (45%)
- Black (26%)





- Cyan (31%)
- Magenta (26%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8277, 46.7418, 20.0723 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 38.8277, 46.7418, 20.0723 by changing the saturation by 10% instead.


 38.8277, 46.7418,
20.0723


 38.8277, 46.7418,
20.0723


332.3772,
373.7830, 264.9234


 26.8058, 32.8316,
12.2630

 72.6708, 85.3281,
44.3989


 17.5633, 21.9975,
6.7984


 95.2227, 110.7729,
61.7534

 10.7347, 13.8550,
3.2598


 122.0154,
140.8315, 83.1266

 5.9547, 8.0199,
1.2288

 153.4141,
175.8881, 108.9371

 2.8580, 4.1077,
0.0023

189.7843,
216.3271, 139.6035

 1.0791, 1.7340,
0.0000

231.4913,

 0.0075, 0.4455,

262.5330, 175.5444

0.0000

278.9005,
314.8902, 217.1781

■ 0.0000, 0.0000,
0.0000

■ 38.8277, 46.7418,
20.0723

■ 38.8277, 46.7418,
20.0723

■ 37.3716, 46.0915,
15.5424

■ 40.5131, 47.4886,
25.7379

■ 36.1269, 45.5254,
12.0686

■ 42.4378, 48.3308,
32.6059

■ 35.0782, 45.0391,
9.5658


■ 44.6151, 49.2754,
40.7410


■ 34.2066, 44.6249,
7.9345

■ 47.0562, 50.3269,
50.2029


■ 33.4889, 44.2737,
7.0534

■ 49.7719, 51.4897,
61.0471

 33.1622, 44.1113,
6.7665

 52.7722, 52.7678,
73.3261

 56.0667, 54.1649,
87.0898

 59.6310, 55.6714,
102.2105

 60.3426, 56.0382,
102.2438

Harmonies

Analogous

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



46.4978, 46.7418, 18.5396



38.8277, 46.7418, 20.0723



33.3292, 46.7418, 28.4697

Triad

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



38.8277, 46.7418, 20.0723



35.6869, 46.7418, 94.3356



61.4723, 46.7418, 56.9618

Complementary

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



38.8277, 46.7418, 20.0723



21.3399, 17.2889, 50.3593

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.



57.7489, 46.7418, 82.7814



38.8277, 46.7418, 20.0723



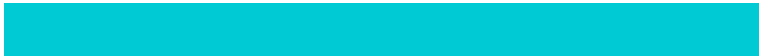
42.4180, 46.7418, 108.1929

Square

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



38.8277, 46.7418, 20.0723



31.6733, 46.7418, 69.5612



50.5396, 46.7418, 103.4277



60.2126, 46.7418, 35.9062

Rectangle

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



38.8277, 46.7418, 20.0723



31.3267, 46.7418, 38.6933



50.5396, 46.7418, 103.4277



60.7479, 46.7418, 65.4222

Sweetspot

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



38.8288, 46.7439, 20.0733



80.6381, 88.5655, 75.7796



29.6554, 24.1572, 16.1971



17.1428, 18.9600, 15.5397



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.



38.8288, 46.7439, 20.0733



66.9553, 82.5571, 27.9135



30.7165, 42.5618, 19.6936



10.1862, 11.0504, 10.1727



22.3601, 29.7029, 4.5547



0.9127, 1.1825, 0.1801

Inverse Universe

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



21.3399, 17.2889, 50.3593



31.7156, 23.1509, 89.0232



28.2050, 20.8280, 50.6806



9.1385, 9.2883, 11.9834



6.5183, 2.6464, 32.5602



0.2962, 0.1247, 1.2773

Previews

White Background



This preview shows how the XYZ color 38.8277, 46.7418, 20.0723 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 38.8277, 46.7418, 20.0723 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

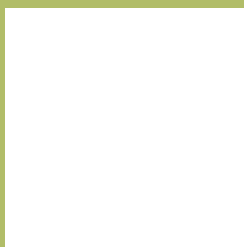
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8277, 46.7418, 20.0723

Background



This preview shows how black text looks on a background with the XYZ color 38.8277, 46.7418, 20.0723.



This preview shows how white text looks on a background with the XYZ color 38.8277, 46.7418,

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

38.8277, 46.7418, 20.0723

Protanopia

42.8963, 46.6748, 19.0602

Deuteranopia

47.4691, 46.3420, 20.6304



Tritanopia

46.2393, 46.6553, 57.0204

Trichromacy



Original Color

38.8277, 46.7418, 20.0723

Protanomaly

41.4855, 46.8637, 19.4295

Deuteranomaly

43.9508, 46.2809, 20.5266

Tritanomaly

42.8949, 46.5075, 40.4342

Monochromacy



Original Color

38.8277, 46.7418, 20.0723

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.9334, 44.4799, 35.3349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8277, 46.7418, 20.0723 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(177, 189, 104)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 104)  
}
```

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(177, 189, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 104) }
```

Border

The CSS property to change the border of an element to XYZ 38.8277, 46.7418, 20.0723 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(177, 189, 104) }
```


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

```
.border{ border-color:rgb(177, 189, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 189, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 104);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8277, 46.7418, 20.0723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 104) }
```

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

```
.background{ background-color: rgb(177,  
189, 104) }
```

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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