

Converting Colors

XYZ(40.0309, 46.6007, 20.8727)

Have a look what the booklet for
XYZ(40.0309, 46.6007, 20.8727)
contains.

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Color

**XYZ(40.1913, 46.7925,
20.8235)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BB6B
RGB	184, 187, 107
RGB Percent	72%, 73%, 42%
CMY	0.2784, 0.2666, 0.5804
CMYK	0.02, 0.00, 0.43, 0.27
HSL	62°, 37%, 58%
HSV	62°, 43%, 73%
XYZ	40.1913, 46.7925, 20.8235
YIQ	176.9830, 23.8920, -25.5160

Conversions

Conversions Part 2

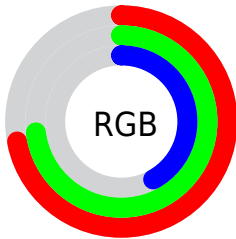
Format	Color
RYB	107, 187, 110
Decimal	12106603
CIELab	74.06, -12.89, 40.04
CIELCh	74, 42.064, 107.838
Yxy	46.7925, 0.3728, 0.4340
Android (android.graphics.Color)	4290296683 (0xFFB8BB6B)
YUV	176.9830, -34.5016, 6.1539
Hunter-Lab	68.4050, -14.8314, 29.8348

Details

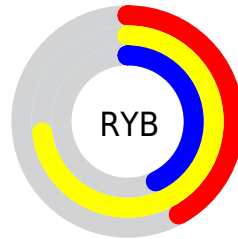
The XYZ color **40.1913, 46.7925, 20.8235** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.6594, 17.4194, 49.2899**, and the grayscale version is **41.9487, 44.1333, 48.0612**.

A 20% lighter version of the original color is **74.6714, 85.3400, 45.7944**, and **18.3169, 22.0127, 7.1544** is the 20% darker color. If you saturate the color by 10%, you get **39.1446, 46.3561, 16.1827**, and if you desaturate by 10%, it is **41.4539, 47.3187, 26.5869**.

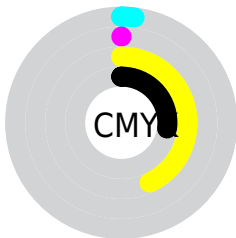
Distribution



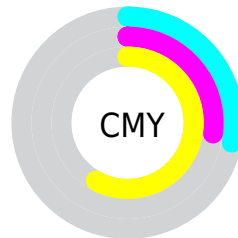
- Red (72%)
- Green (73%)
- Blue (42%)



- Red (42%)
- Yellow (73%)
- Blue (43%)



- Cyan (2%)
- Magenta (0%)
- Yellow (43%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1913, 46.7925, 20.8235 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 40.1913, 46.7925, 20.8235 by changing the saturation by 10% instead.

■ 40.1913, 46.7925,
20.8235

■ 40.1913, 46.7925,
20.8235

338.0498,
373.9857, 269.0892

■ 27.8726, 32.8716,
12.8051

■ 74.7372, 85.4038,
45.6706

■ 18.3696, 22.0281,
7.1653

■ 97.6952, 110.8631,
63.3363

■ 11.3170, 13.8776,
3.4857

■ 124.9302,
140.9372, 85.0549

■ 6.3493, 8.0356,
1.3477

■ 156.8078,
176.0107, 111.2448

■ 3.1013, 4.1177,
0.1004

193.6931,
216.4679, 142.3247

■ 1.2076, 1.7396,
0.0000

235.9517,

■ 0.1123, 0.4491,

262.6932, 178.7130

0.0000

283.9488,
315.0710, 220.8283

■ 0.0000, 0.0000,
0.0000

■ 40.1913, 46.7925,
20.8235

■ 40.1913, 46.7925,
20.8235

■ 39.1446, 46.3561,
16.1827

■ 41.4539, 47.3187,
26.5869

■ 38.2965, 45.9976,
12.5886

■ 42.9417, 47.9334,
33.5363

■ 37.6327, 45.7129,
9.9605


■ 44.6673, 48.6433,
41.7340


■ 37.1355, 45.4948,
8.2050


■ 46.6416, 49.4528,
51.2371


■ 36.7834, 45.3350,
7.2097


■ 48.8748, 50.3660,
62.0991

 36.5892, 45.2437,
6.8044

 51.3765, 51.3866,
74.3704

 54.1558, 52.5184,
88.0991

 56.9616, 53.6609,
101.9631

 57.1370, 53.7513,
101.9713

Harmonies

Analogous

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



47.5909, 46.7925, 20.2445



40.1913, 46.7925, 20.8235



34.5955, 46.7925, 27.9030

Triad

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



40.1913, 46.7925, 20.8235



35.4589, 46.7925, 88.2183



60.1587, 46.7925, 60.1799

Complementary

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



40.1913, 46.7925, 20.8235



20.6594, 17.4194, 49.2899

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.



56.0759, 46.7925, 84.1032



40.1913, 46.7925, 20.8235



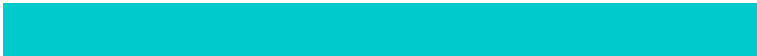
41.4979, 46.7925, 103.0929

Square

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



40.1913, 46.7925, 20.8235



32.0826, 46.7925, 64.7150



49.0525, 46.7925, 101.4044



59.7066, 46.7925, 39.2884

Rectangle

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



40.1913, 46.7925, 20.8235



32.3836, 46.7925, 36.8711



49.0525, 46.7925, 101.4044



59.2537, 46.7925, 68.2196

Sweetspot

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



40.1924, 46.7946, 20.8245



79.8526, 87.0568, 74.0637



28.6890, 22.7076, 16.7815



17.4263, 19.1062, 15.5530



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.



40.1924, 46.7946, 20.8245



70.2674, 83.0875, 29.6932



31.9859, 42.5640, 20.4404



10.2859, 11.1018, 10.1774



25.2230, 31.1788, 4.6887



0.9991, 1.2270, 0.1842

Inverse Universe

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



20.6594, 17.4194, 49.2899



30.8436, 23.7851, 87.1667



26.7452, 20.5568, 49.5747



9.0488, 9.2420, 11.9792



6.2545, 2.5104, 32.5478



0.2565, 0.1042, 1.2755

Previews

White Background



This preview shows how the XYZ color 40.1913, 46.7925, 20.8235 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 40.1913, 46.7925, 20.8235 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

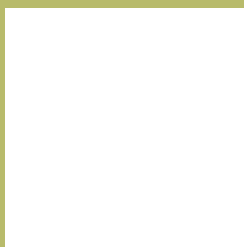
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1913, 46.7925, 20.8235

Background



This preview shows how black text looks on a background with the XYZ color 40.1913, 46.7925, 20.8235.



This preview shows how white text looks on a background with the XYZ color 40.1913, 46.7925,

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

40.1913, 46.7925, 20.8235

Protanopia

42.8309, 46.6179, 20.1053

Deuteranopia

47.4657, 46.6135, 21.2474



Tritanopia

47.3742, 46.6752, 55.8025

Trichromacy



Original Color

40.1913, 46.7925, 20.8235

Protanomaly

41.9901, 46.7909, 20.4541

Deuteranomaly

44.6125, 46.6097, 21.1132

Tritanomaly

44.1042, 46.5330, 39.9149

Monochromacy



Original Color

40.1913, 46.7925, 20.8235

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.0138, 45.0180, 36.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1913, 46.7925, 20.8235 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(184, 187, 107)` looks like.

```
.text, #text, p{  
    color:rgb(184, 187, 107)  
}
```

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(184, 187, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 187, 107) }
```

Border

The CSS property to change the border of an element to XYZ 40.1913, 46.7925, 20.8235 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(184, 187, 107) }
```


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

```
.border{ border-color:rgb(184, 187, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 187, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 187, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 187, 107);  
box-shadow:4px 4px 4px 4px rgb(184, 187,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1913, 46.7925, 20.8235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 187, 107) }
```

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

```
.background{ background-color: rgb(184,  
187, 107) }
```

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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