

Converting Colors

XYZ(40.2303, 47.4828, 18.9810)

Have a look what the booklet for
XYZ(40.2303, 47.4828, 18.9810)
contains.

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Color

**XYZ(40.2650, 47.5056,
19.1039)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BD64
RGB	184, 189, 100
RGB Percent	72%, 74%, 39%
CMY	0.2784, 0.2588, 0.6078
CMYK	0.03, 0.00, 0.47, 0.26
HSL	63°, 40%, 57%
HSV	63°, 47%, 74%
XYZ	40.2650, 47.5056, 19.1039
YIQ	177.3590, 25.5890, -28.7390

Conversions

Conversions Part 2

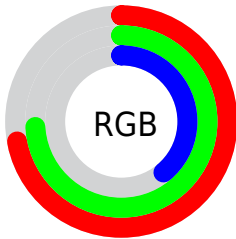
Format	Color
RYB	100, 189, 105
Decimal	12107108
CIELab	74.51, -14.62, 44.09
CIElCh	75, 46.450, 108.343
Yxy	47.5056, 0.3768, 0.4445
Android (android.graphics.Color)	4290297188 (0xFFB8BD64)
YUV	177.3590, -38.1380, 5.8242
Hunter-Lab	68.9243, -16.3393, 31.8135

Details

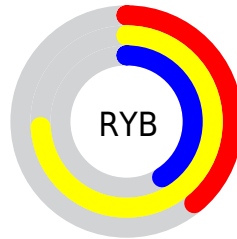
The XYZ color **40.2650, 47.5056, 19.1039** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5698, 15.7929, 50.1638**, and the grayscale version is **42.1648, 44.3607, 48.3087**.

A 20% lighter version of the original color is **74.6778, 86.3055, 42.8597**, and **18.4331, 22.5057, 6.3901** is the 20% darker color. If you saturate the color by 10%, you get **39.2011, 47.0525, 14.8206**, and if you desaturate by 10%, it is **41.5453, 48.0490, 24.5069**.

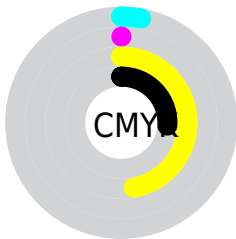
Distribution



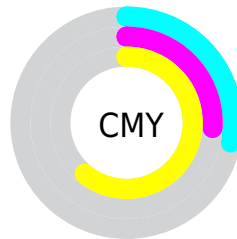
- Red (72%)
- Green (74%)
- Blue (39%)



- Red (39%)
- Yellow (74%)
- Blue (41%)



- Cyan (3%)
- Magenta (0%)
- Yellow (47%)
- Black (26%)



- Cyan (28%)
- Magenta (26%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2650, 47.5056, 19.1039 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 40.2650, 47.5056, 19.1039 by changing the saturation by 10% instead.

■ 40.2650, 47.5056,
19.1039

■ 40.2650, 47.5056,
19.1039

338.3545,
376.8291, 259.4636

■ 27.9304, 33.4355,
11.5678

■ 74.8487, 86.4678,
42.7486

■ 18.4134, 22.4603,
6.3312

■ 97.8284, 112.1288,
59.6943

■ 11.3486, 14.1955,
2.9755

■ 125.0872,
142.4222, 80.6137

■ 6.3709, 8.2568,
1.0821

■ 156.9904,
177.7323, 105.9252

■ 3.1147, 4.2597,
0.0000

193.9034,
218.4437, 136.0474

■ 1.2147, 1.8199,
0.0000

236.1915,

■ 0.1179, 0.4995,

264.9407, 171.3988

0.0000

284.2201,
317.6077, 212.3980

■ 0.0000, 0.0000,
0.0000

■ 40.2650, 47.5056,
19.1039

■ 40.2650, 47.5056,
19.1039

■ 39.2011, 47.0525,
14.8206

■ 41.5453, 48.0490,
24.5069

■ 38.3354, 46.6771,
11.5756

■ 43.0521, 48.6814,
31.0976

■ 37.6521, 46.3749,
9.2813


■ 44.7988, 49.4101,
38.9419


■ 37.1316, 46.1380,
7.8347


■ 46.7970, 50.2395,
48.1001


■ 36.7466, 45.9556,
7.0915


■ 49.0574, 51.1741,
58.6288

 36.6452, 45.9068,
6.9295

 51.5899, 52.2178,
70.5809

 54.4043, 53.3744,
84.0068

 57.5095, 54.6476,
98.9544

 58.3854, 55.0292,
102.1522

Harmonies

Analogous

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



48.4903, 47.5056, 18.3952



40.2650, 47.5056, 19.1039



34.1432, 47.5056, 26.6986

Triad

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



40.2650, 47.5056, 19.1039



35.2590, 47.5056, 94.4778



62.8610, 47.5056, 61.6305

Complementary

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



40.2650, 47.5056, 19.1039



19.5698, 15.7929, 50.1638

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.



58.3059, 47.5056, 88.8998



40.2650, 47.5056, 19.1039



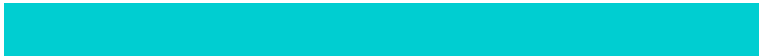
41.9718, 47.5056, 111.4293

Square

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



40.2650, 47.5056, 19.1039



31.5093, 47.5056, 67.6653



50.4206, 47.5056, 109.1200



62.2560, 47.5056, 38.5089

Rectangle

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



40.2650, 47.5056, 19.1039



31.7609, 47.5056, 36.4836



50.4206, 47.5056, 109.1200



61.8617, 47.5056, 70.7123

Sweetspot

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



40.2661, 47.5078, 19.1049



81.2089, 88.8954, 74.1966



28.2838, 21.7316, 14.7611



17.3042, 19.0503, 15.2296



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.



40.2661, 47.5078, 19.1049



70.0648, 84.2057, 25.9964



31.3233, 42.8975, 18.6864



10.2678, 11.0925, 10.1765



24.6766, 30.8971, 4.6631



0.9829, 1.2187, 0.1834

Inverse Universe

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



19.5698, 15.7929, 50.1638



28.3537, 20.2554, 88.6415



26.1292, 19.1744, 50.4707



9.0648, 9.2503, 11.9799



6.2915, 2.5294, 32.5495



0.2636, 0.1079, 1.2758

Previews

White Background



This preview shows how the XYZ color 40.2650, 47.5056, 19.1039 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 40.2650, 47.5056, 19.1039 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

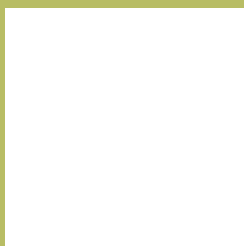
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2650, 47.5056, 19.1039

Background



This preview shows how black text looks on a background with the XYZ color 40.2650, 47.5056, 19.1039.



This preview shows how white text looks on a background with the XYZ color 40.2650, 47.5056,

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

40.2650, 47.5056, 19.1039

Protanopia

43.4952, 47.3054, 18.3937

Deuteranopia

48.2096, 47.3272, 19.4261



Tritanopia

47.9939, 47.5598, 57.1025

Trichromacy



Original Color

40.2650, 47.5056, 19.1039

Protanomaly

42.1068, 47.2009, 18.6958

Deuteranomaly

45.0140, 47.1571, 19.3001

Tritanomaly

44.4267, 47.3173, 39.5925

Monochromacy



Original Color

40.2650, 47.5056, 19.1039

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7711, 44.9210, 34.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2650, 47.5056, 19.1039 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, 189, 100)` looks like.

```
.text, #text, p{  
    color:rgb(184, 189, 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(184, 189, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 189, 100) }
```

Border

The CSS property to change the border of an element to XYZ 40.2650, 47.5056, 19.1039 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, 189, 100) }
```


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

```
.border{ border-color:rgb(184, 189, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 189, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 189, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 189, 100);  
box-shadow:4px 4px 4px 4px rgb(184, 189,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2650, 47.5056, 19.1039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 189, 100) }
```

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

```
.background{ background-color: rgb(184,  
189, 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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