

Converting Colors

XYZ(40.8696, 45.0320, 18.5946)

Have a look what the booklet for
XYZ(40.8696, 45.0320, 18.5946)
contains.

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Color

**XYZ(40.8696, 45.0320,
18.5946)**

Conversions

Conversions Part 1

Format	Color
Hex	C2B464
RGB	194, 180, 100
RGB Percent	76%, 71%, 39%
CMY	0.2392, 0.2941, 0.6078
CMYK	0.00, 0.07, 0.48, 0.24
HSL	51°, 44%, 58%
HSV	51°, 48%, 76%
XYZ	40.8696, 45.0320, 18.5946
YIQ	175.0660, 34.0240, -21.9120

Conversions

Conversions Part 2

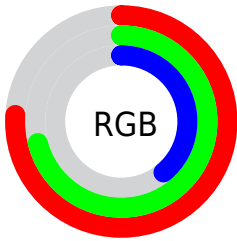
Format	Color
RYB	116, 194, 100
Decimal	12760164
CIELab	72.91, -5.86, 42.34
CIELCh	73, 42.740, 97.874
Yxy	45.0320, 0.3911, 0.4309
Android (android.graphics.Color)	4290950244 (0xFFC2B464)
YUV	175.0660, -37.0075, 16.6051
Hunter-Lab	67.1059, -8.7232, 30.5453

Details

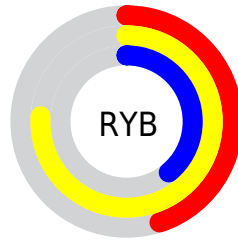
The XYZ color **40.8696, 45.0320, 18.5946** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0102, 18.6383, 53.5288**, and the grayscale version is **40.9560, 43.0889, 46.9238**.

A 20% lighter version of the original color is **75.8078, 82.9534, 41.7219**, and **18.6463, 20.8123, 6.0520** is the 20% darker color. If you saturate the color by 10%, you get **39.4636, 43.5480, 14.0323**, and if you desaturate by 10%, it is **42.5135, 46.6339, 24.3403**.

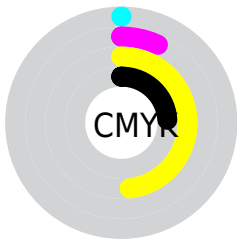
Distribution



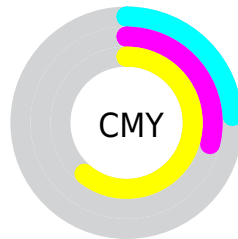
- Red (76%)
- Green (71%)
- Blue (39%)



- Red (45%)
- Yellow (76%)
- Blue (39%)



- Cyan (0%)
- Magenta (7%)
- Yellow (48%)
- Black (24%)



- Cyan (24%)
- Magenta (29%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8696, 45.0320, 18.5946 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 40.8696, 45.0320, 18.5946 by changing the saturation by 10% instead.

40.8696, 45.0320,
18.5946

40.8696, 45.0320,
18.5946

340.8472,
366.9031, 256.5492

28.4044, 31.4826,
11.2039

75.7619, 82.7684,
41.8755

18.7728, 20.9666,
6.0882

98.9197, 107.7243,
58.6027

11.6092, 13.0996,
2.8292

126.3724,
137.2511, 79.2792

6.5485, 7.4972,
1.0081

158.4854,
171.7332, 104.3234

3.2252, 3.7749,
0.0000

195.6240,
211.5551, 134.1540

1.2739, 1.5485,
0.0000

238.1536,

0.1636, 0.3225,

257.1011, 169.1895

0.0000

286.4396,
308.7557, 209.8484

■ 0.0000, 0.0000,
0.0000

■ 40.8696, 45.0320,
18.5946

■ 40.8696, 45.0320,
18.5946

■ 39.4636, 43.5480,
14.0323

■ 42.5135, 46.6339,
24.3403

■ 38.2761, 42.1690,
10.5656

■ 44.4067, 48.3535,
31.3431

■ 37.2897, 40.8897,
8.0991


■ 46.5636, 50.1982,
39.6741

■ 36.4830, 39.7014,
6.5199


■ 48.9967, 52.1732,
49.3984


■ 35.8216, 38.5901,
5.6469


■ 51.7176, 54.2832,
60.5764

 35.7243, 38.4219,
5.5333

 54.7370, 56.5326,
73.2655

 58.0655, 58.9257,
87.5195

 61.6801, 61.4536,
103.2186

 62.3691, 62.8315,
103.4482

Harmonies

Analogous

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



48.4247, 45.0320, 20.0087



40.8696, 45.0320, 18.5946



34.5984, 45.0320, 23.2617

Triad

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



40.8696, 45.0320, 18.5946



32.4640, 45.0320, 78.7653



57.4844, 45.0320, 66.1573

Complementary

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



40.8696, 45.0320, 18.5946



21.0102, 18.6383, 53.5288

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.



52.2085, 45.0320, 89.0513



40.8696, 45.0320, 18.5946



37.6315, 45.0320, 97.6794

Square

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



40.8696, 45.0320, 18.5946



30.1261, 45.0320, 54.8679



44.7935, 45.0320, 101.9082



58.6110, 45.0320, 43.6257

Rectangle

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



40.8696, 45.0320, 18.5946



31.7837, 45.0320, 30.2971



44.7935, 45.0320, 101.9082



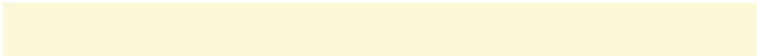
56.1101, 45.0320, 74.2340

Sweetspot

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



40.8707, 45.0341, 18.5955



85.7236, 92.0713, 77.2625



29.8484, 21.8013, 18.5849



18.5719, 19.9974, 16.1247



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.8707, 45.0341, 18.5955



71.3895, 78.7776, 25.0865



36.3102, 47.0910, 19.2329



10.7815, 11.4945, 10.7123



23.5352, 25.3562, 3.6538



1.0524, 1.1665, 0.1697

Inverse Universe

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



21.0102, 18.6383, 53.5288



31.2861, 25.5162, 95.7460



23.9522, 17.9883, 53.2482



9.6467, 9.9846, 12.7036



6.7271, 3.2107, 33.8218



0.3302, 0.2178, 1.4745

Previews

White Background



This preview shows how the XYZ color 40.8696, 45.0320, 18.5946 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 40.8696, 45.0320, 18.5946 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 40.8696, 45.0320, 18.5946

Background



This preview shows how black text looks on a background with the XYZ color 40.8696, 45.0320, 18.5946.



This preview shows how white text looks on a background with the XYZ color 40.8696, 45.0320,

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

40.8696, 45.0320, 18.5946

Protanopia

41.4463, 45.0306, 18.5639

Deuteranopia

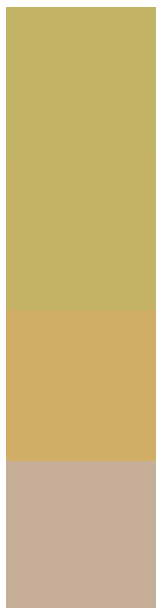
45.8746, 44.9906, 18.8366



Tritanopia

47.3836, 44.7667, 51.4909

Trichromacy



Original Color

40.8696, 45.0320, 18.5946

Protanomaly

41.1853, 44.8961, 18.5517

Deuteranomaly

43.7795, 44.7670, 18.6454

Tritanomaly

44.4390, 44.7141, 36.4255

Monochromacy



Original Color

40.8696, 45.0320, 18.5946

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.3588, 43.5275, 34.2915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8696, 45.0320, 18.5946 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(194, 180, 100)` looks like.

```
.text, #text, p{  
    color:rgb(194, 180, 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(194, 180, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 180, 100) }
```

Border

The CSS property to change the border of an element to XYZ 40.8696, 45.0320, 18.5946 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(194, 180, 100) }
```


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

```
.border{ border-color:rgb(194, 180, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 180, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 180, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 180, 100);  
box-shadow:4px 4px 4px 4px rgb(194, 180,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8696, 45.0320, 18.5946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 180, 100) }
```

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

```
.background{ background-color: rgb(194,  
180, 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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