

Converting Colors

XYZ(40.0285, 45.4724, 20.3030)

Have a look what the booklet for
XYZ(40.0285, 45.4724, 20.3030)
contains.

XYZ(40.0285, 45.4724, 20.3030)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.0285, 45.4724,
20.3030)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB76A
RGB	187, 183, 106
RGB Percent	73%, 72%, 42%
CMY	0.2667, 0.2823, 0.5843
CMYK	0.00, 0.02, 0.43, 0.27
HSL	57°, 37%, 57%
HSV	57°, 43%, 73%
XYZ	40.0285, 45.4724, 20.3030
YIQ	175.4180, 27.1010, -23.0990

Conversions

Conversions Part 2

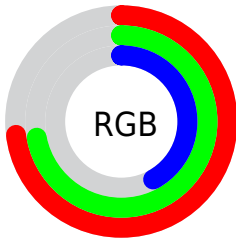
Format	Color
R _{YB}	110, 187, 106
Decimal	12302186
CIE Lab	73.20, -9.71, 39.54
CIE LCh	73, 40.710, 103.795
Yxy	45.4724, 0.3783, 0.4298
Android (android.graphics.Color)	4290492266 (0xFFBBB76A)
YUV	175.4180, -34.2231, 10.1574
Hunter-Lab	67.4332, -12.0502, 29.3520

Details

The XYZ color **40.0285, 45.4724, 20.3030** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.4893, 17.8033, 49.3700**, and the grayscale version is **41.1274, 43.2692, 47.1201**.

A 20% lighter version of the original color is **74.4327, 83.4693, 44.9891**, and **18.2122, 21.1563, 6.8651** is the 20% darker color. If you saturate the color by 10%, you get **38.9710, 44.7477, 15.6649**, and if you desaturate by 10%, it is **41.3015, 46.2886, 26.0602**.

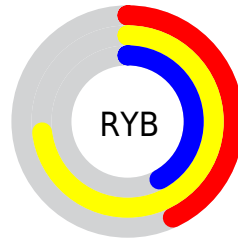
Distribution



Red (73%)

Green (72%)

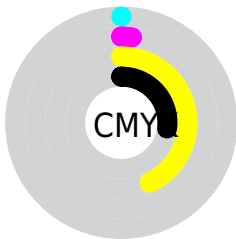
Blue (42%)



Red (43%)

Yellow (73%)

Blue (42%)

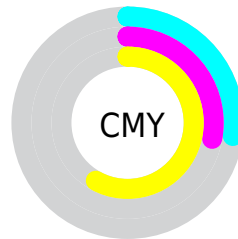


Cyan (0%)

Magenta (2%)

Yellow (43%)

Black (27%)



Cyan (27%)

Magenta (28%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0285, 45.4724, 20.3030 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 40.0285, 45.4724, 20.3030 by changing the saturation by 10% instead.

40.0285, 45.4724,
20.3030

40.0285, 45.4724,
20.3030

337.3760,
368.6834, 266.2090

27.7451, 31.8297,
12.4292

74.4910, 83.4288,
44.7902

18.2731, 21.2314,
6.9106

97.4007, 108.5114,
62.2408

11.2471, 13.2933,
3.3287

124.5833,
138.1759, 83.7207

6.3018, 7.6308,
1.2648

156.4041,
172.8070, 109.6484

3.0718, 3.8596,
0.0327

193.2284,
212.7888, 140.4426

1.1919, 1.5954,
0.0000

235.4216,

0.0999, 0.3545,

258.5059, 176.5217

0.0000

283.3490,
310.3427, 218.3044

■ 0.0000, 0.0000,
0.0000

■ 40.0285, 45.4724,
20.3030

■ 40.0285, 45.4724,
20.3030

■ 38.9710, 44.7477,
15.6649

■ 41.3015, 46.2886,
26.0602

■ 38.1119, 44.1026,
12.0697

■ 42.7994, 47.1951,
33.0004

■ 37.4365, 43.5331,
9.4362


■ 44.5350, 48.1988,
41.1861


■ 36.9270, 43.0318,
7.6701


■ 46.5191, 49.3038,
50.6744

■ 36.5618, 42.5903,
6.6579

■ 48.7620, 50.5143,
61.5192

 36.3696, 42.3170,
6.2511

 51.2733, 51.8342,
73.7710

 54.0620, 53.2672,
87.4779

 57.0400, 54.7778,
102.1746

 57.2409, 55.1796,
102.2416

Harmonies

Analogous

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



47.1657, 45.4724, 20.5401



40.0285, 45.4724, 20.3030



34.3981, 45.4724, 26.2089

Triad

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



40.0285, 45.4724, 20.3030



34.0487, 45.4724, 82.0119



57.7890, 45.4724, 61.3145

Complementary

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



40.0285, 45.4724, 20.3030



20.4893, 17.8033, 49.3700

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.



53.4347, 45.4724, 83.6594



40.0285, 45.4724, 20.3030



39.5010, 45.4724, 97.6769

Square

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



40.0285, 45.4724, 20.3030



31.2116, 45.4724, 59.4913



46.5771, 45.4724, 98.3516



57.9705, 45.4724, 40.7157

Rectangle

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



40.0285, 45.4724, 20.3030



32.0357, 45.4724, 34.1003



46.5771, 45.4724, 98.3516



56.7448, 45.4724, 68.9819

Sweetspot

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



40.0296, 45.4745, 20.3039



79.7969, 86.3438, 73.9290



28.4650, 22.0002, 17.5129



17.4120, 18.9229, 15.5184



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.



40.0296, 45.4745, 20.3039



69.8788, 80.2015, 28.4060



33.0512, 43.1176, 20.2168



10.2808, 11.0377, 10.1653



25.0750, 29.1887, 4.3124



0.9947, 1.1683, 0.1731

Inverse Universe

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



20.4893, 17.8033, 49.3700



30.3245, 24.1984, 87.2739



25.3568, 19.6871, 49.4771



9.0532, 9.2988, 11.9899



6.2648, 2.6413, 32.5725



0.2585, 0.1296, 1.2802

Previews

White Background



This preview shows how the XYZ color 40.0285, 45.4724, 20.3030 looks on a white background.

Color Contrast Check

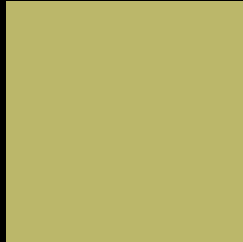
Large Text (above 18pt) WCAG AA × Fail

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 40.0285, 45.4724, 20.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

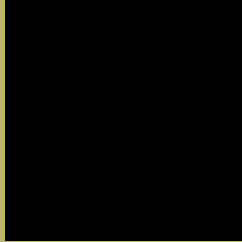
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0285, 45.4724, 20.3030

Background



This preview shows how black text looks on a background with the XYZ color 40.0285, 45.4724, 20.3030.



This preview shows how white text looks on a background with the XYZ color 40.0285, 45.4724,

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

40.0285, 45.4724, 20.3030

Protanopia

41.8970, 45.5328, 19.9451

Deuteranopia

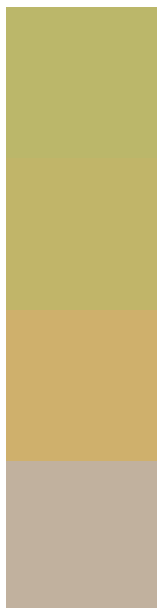
46.4263, 45.5146, 20.8063



Tritanopia

46.6782, 45.2108, 53.2801

Trichromacy



Original Color

40.0285, 45.4724, 20.3030

Protanomaly

41.0660, 45.4051, 19.9643

Deuteranomaly

43.9642, 45.3988, 20.6330

Tritanomaly

43.8860, 45.2504, 38.7689

Monochromacy



Original Color

40.0285, 45.4724, 20.3030

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.0158, 43.6265, 35.1659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0285, 45.4724, 20.3030 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, 183, 106)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 106)  
}
```

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, 183, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 106) }
```

Border

The CSS property to change the border of an element to XYZ 40.0285, 45.4724, 20.3030 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, 183, 106) }
```


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

```
.border{ border-color:rgb(187, 183, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 183, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 183, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 183, 106);  
box-shadow:4px 4px 4px 4px rgb(187, 183,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0285, 45.4724, 20.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 183, 106) }
```

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

```
.background{ background-color: rgb(187,  
183, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor