

Converting Colors

XYZ(40.2493, 45.3563, 21.6795)

Have a look what the booklet for
XYZ(40.2493, 45.3563, 21.6795)
contains.

XYZ(40.0907, 45.1684, 21.6443)	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(40.0907, 45.1684,
21.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB66F
RGB	187, 182, 111
RGB Percent	73%, 71%, 44%
CMY	0.2667, 0.2863, 0.5647
CMYK	0.00, 0.03, 0.41, 0.27
HSL	56°, 36%, 58%
HSV	56°, 41%, 73%
XYZ	40.0907, 45.1684, 21.6443
YIQ	175.4010, 25.7710, -21.0210

Conversions

Conversions Part 2

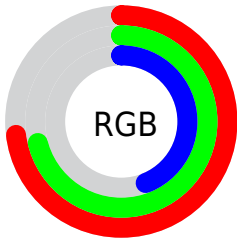
Format	Color
RYB	116, 187, 111
Decimal	12301935
CIELab	73.00, -8.65, 36.73
CIELCh	73, 37.735, 103.259
Yxy	45.1684, 0.3750, 0.4225
Android (android.graphics.Color)	4290492015 (0xFFBBB66F)
YUV	175.4010, -31.7497, 10.1723
Hunter-Lab	67.2074, -11.1339, 27.9507

Details

The XYZ color **40.0907, 45.1684, 21.6443** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.7705, 19.4576, 49.6219**, and the grayscale version is **41.1065, 43.2473, 47.0963**.

A 20% lighter version of the original color is **74.5836, 83.0625, 47.2236**, and **18.2083, 20.9430, 7.4976** is the 20% darker color. If you saturate the color by 10%, you get **38.9168, 44.2995, 16.6941**, and if you desaturate by 10%, it is **41.4846, 46.1321, 27.7323**.

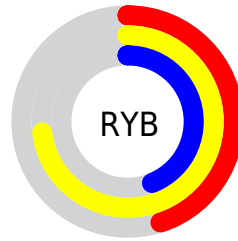
Distribution



Red (73%)

Green (71%)

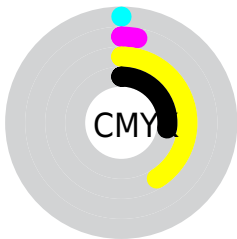
Blue (44%)



Red (45%)

Yellow (73%)

Blue (44%)

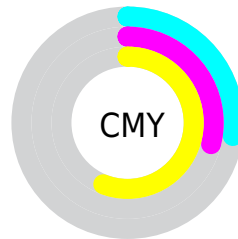


Cyan (0%)

Magenta (3%)

Yellow (41%)

Black (27%)



Cyan (27%)

Magenta (29%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0907, 45.1684, 21.6443 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 40.0907, 45.1684, 21.6443 by changing the saturation by 10% instead.

■ 40.0907, 45.1684,
21.6443

■ 40.0907, 45.1684,
21.6443

337.6336,
367.4552, 273.5757

■ 27.7938, 31.5901,
13.4000

■ 74.5851, 82.9731,
47.0520

■ 18.3099, 21.0486,
7.5706

■ 97.5132, 107.9682,
65.0525

■ 11.2738, 13.1595,
3.7376

■ 124.7159,
137.5377, 87.1421

■ 6.3199, 7.5385,
1.4825

■ 156.5584,
172.0660, 113.7393

■ 3.0831, 3.8011,
0.2049

193.4060,
211.9376, 145.2627

■ 1.1979, 1.5629,
0.0000

235.6242,

■ 0.1047, 0.3324,

257.5367, 182.1309

0.0000

283.5783,
309.2477, 224.7624

■ 0.0000, 0.0000,
0.0000

■ 40.0907, 45.1684,
21.6443

■ 40.0907, 45.1684,
21.6443

■ 38.9168, 44.2995,
16.6941

■ 41.4846, 46.1321,
27.7323

■ 37.9461, 43.5137,
12.8075

■ 43.1075, 47.1893,
35.0206

■ 37.1644, 42.8071,
9.9060


■ 44.9721, 48.3468,
43.5703


■ 36.5547, 42.1728,
7.8988


■ 47.0890, 49.6087,
53.4377


■ 36.0965, 41.6026,
6.6788


■ 49.4682, 50.9792,
64.6757

 35.7670, 41.1118,
6.0502

 52.1193, 52.4619,
77.3341

 55.0512, 54.0606,
91.4605

 57.3574, 55.4126,
102.2804

 57.6281, 55.9540,
102.3706

Harmonies

Analogous

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



46.6847, 45.1684, 21.9761



40.0907, 45.1684, 21.6443



34.8215, 45.1684, 27.2074

Triad

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



40.0907, 45.1684, 21.6443



34.3503, 45.1684, 78.4700



56.2415, 45.1684, 60.3893

Complementary

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



40.0907, 45.1684, 21.6443



21.7705, 19.4576, 49.6219

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.



52.2113, 45.1684, 80.6179



40.0907, 45.1684, 21.6443



39.3845, 45.1684, 92.7488

Square

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



40.0907, 45.1684, 21.6443



31.7432, 45.1684, 57.9802



45.9028, 45.1684, 93.6225



56.4803, 45.1684, 41.3199

Rectangle

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



40.0907, 45.1684, 21.6443



32.5823, 45.1684, 34.5951



45.9028, 45.1684, 93.6225



55.2678, 45.1684, 67.3791

Sweetspot

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



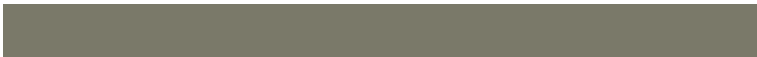
40.0918, 45.1705, 21.6452



79.9970, 86.2550, 75.5032



29.3345, 23.1967, 19.4752



17.5169, 18.9336, 16.1672



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.



40.0918, 45.1705, 21.6452



69.8640, 79.4666, 30.5755



33.9789, 43.5650, 21.6575



10.2671, 11.0102, 10.1607



24.6646, 28.3679, 4.1756



0.9825, 1.1438, 0.1690

Inverse Universe

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



21.7705, 19.4576, 49.6219



32.4748, 27.0038, 87.7021



26.1444, 20.8806, 49.6660



9.0655, 9.3233, 11.9940



6.2930, 2.6977, 32.5819



0.2639, 0.1405, 1.2821

Previews

White Background



This preview shows how the XYZ color 40.0907, 45.1684, 21.6443 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 40.0907, 45.1684, 21.6443 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 40.0907, 45.1684, 21.6443

Background



This preview shows how black text looks on a background with the XYZ color 40.0907, 45.1684, 21.6443.



This preview shows how white text looks on a background with the XYZ color 40.0907, 45.1684,

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

40.0907, 45.1684, 21.6443

Protanopia

41.6995, 45.1018, 21.2596

Deuteranopia

45.8624, 44.9170, 21.8754



Tritanopia

46.3122, 45.0344, 52.7060

Trichromacy



Original Color

40.0907, 45.1684, 21.6443

Protanomaly

41.1280, 45.1058, 21.2905

Deuteranomaly

43.4314, 44.8089, 21.6891

Tritanomaly

43.5216, 44.7603, 39.1467

Monochromacy



Original Color

40.0907, 45.1684, 21.6443

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.1783, 43.6915, 36.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0907, 45.1684, 21.6443 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, 182, 111)` looks like.

```
.text, #text, p{  
    color:rgb(187, 182, 111)  
}
```

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, 182, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 182, 111) }
```

Border

The CSS property to change the border of an element to XYZ 40.0907, 45.1684, 21.6443 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, 182, 111) }
```


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

```
.border{ border-color:rgb(187, 182, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 182, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 182, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 182, 111);  
box-shadow:4px 4px 4px 4px rgb(187, 182,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0907, 45.1684, 21.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 182, 111) }
```

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

```
.background{ background-color: rgb(187,  
182, 111) }
```

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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