

Converting Colors

XYZ(40.8177, 45.2720, 34.4230)

Have a look what the booklet for
XYZ(40.8177, 45.2720, 34.4230)
contains.

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Color

**XYZ(40.8956, 45.2973,
34.6048)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B694
RGB	180, 182, 148
RGB Percent	71%, 71%, 58%
CMY	0.2941, 0.2863, 0.4196
CMYK	0.01, 0.00, 0.19, 0.29
HSL	64°, 19%, 65%
HSV	64°, 19%, 71%
XYZ	40.8956, 45.2973, 34.6048
YIQ	177.5260, 9.7220, -10.9980

Conversions

Conversions Part 2

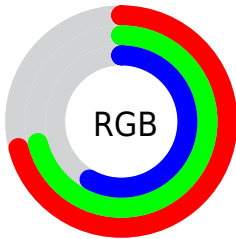
Format	Color
RYB	148, 182, 150
Decimal	11843220
CIELab	73.09, -6.53, 17.11
CIELCh	73, 18.315, 110.876
Yxy	45.2973, 0.3385, 0.3750
Android (android.graphics.Color)	4290033300 (0xFFB4B694)
YUV	177.5260, -14.5563, 2.1697
Hunter-Lab	67.3033, -9.3185, 16.6276

Details

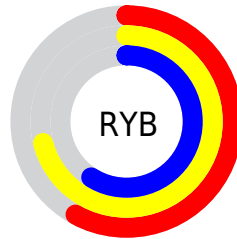
The XYZ color **40.8956, 45.2973, 34.6048** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6129, 31.0425, 48.5841**, and the grayscale version is **42.1384, 44.3328, 48.2785**.

A 20% lighter version of the original color is **75.8273, 83.2462, 67.9487**, and **18.7603, 21.0756, 14.3885** is the 20% darker color. If you saturate the color by 10%, you get **39.3185, 44.6392, 27.5931**, and if you desaturate by 10%, it is **42.7036, 46.0510, 42.8116**.

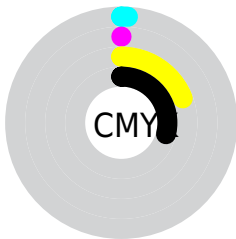
Distribution



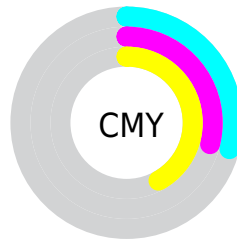
- Red (71%)
- Green (71%)
- Blue (58%)



- Red (58%)
- Yellow (71%)
- Blue (59%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (29%)





- Cyan (29%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8956, 45.2973, 34.6048 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 40.8956, 45.2973, 34.6048 by changing the saturation by 10% instead.


 40.8956, 45.2973,
34.6048


 40.8956, 45.2973,
34.6048


340.9541,
367.9763, 337.6716

 28.4248, 31.6917,
23.0775


 75.8011, 83.1664,
68.0177

 18.7882, 21.1261,
14.4449


 98.9665, 108.1986,
90.7404

 11.6205, 13.2162,
8.2885


126.4276,
137.8084, 118.0319

 6.5561, 7.5776,
4.1897

158.5495,
172.3803, 150.3109

 3.2299, 3.8259,
1.7300

195.6978,
212.2987, 187.9958

 1.2765, 1.5766,
0.3811

238.2378,

 0.1655, 0.3418,

257.9479, 231.5052

0.0000

286.5348,
309.7123, 281.2576

■ 0.0000, 0.0000,
0.0000

■ 40.8956, 45.2973,
34.6048

■ 40.8956, 45.2973,
34.6048

■ 39.3185, 44.6392,
27.5931

■ 42.7036, 46.0510,
42.8116

■ 37.9581, 44.0666,
21.7180

■ 44.7488, 46.8983,
52.2627

■ 36.8043, 43.5767,
16.9205

■ 47.0416, 47.8448,
63.0078

■ 35.8446, 43.1648,
13.1349

■ 49.5909, 48.8942,
75.0932

■ 35.0651, 42.8251,
10.2887

■ 52.4051, 50.0497,
88.5629

■ 34.4503, 42.5516,
8.2996

■ 55.1350, 51.1717,
101.5789

■ 33.9818, 42.3368,
7.0709

■ 55.3974, 51.3070,
101.5912

■ 33.6278, 42.1680,
6.4357

■ 55.6618, 51.4433,
101.6036

■ 33.5838, 42.1468,
6.3651

■ 55.9281, 51.5806,
101.6161

Harmonies

Analogous

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



44.0380, 45.2973, 33.8718



40.8956, 45.2973, 34.6048



38.4493, 45.2973, 39.0050

Triad

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



40.8956, 45.2973, 34.6048



39.2824, 45.2973, 64.3131



49.4271, 45.2973, 52.1719

Complementary

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



40.8956, 45.2973, 34.6048



31.6129, 31.0425, 48.5841

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.



48.0118, 45.2973, 61.3123



40.8956, 45.2973, 34.6048



42.0842, 45.2973, 68.8719

Square

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



40.8956, 45.2973, 34.6048



37.5505, 45.2973, 55.8789



45.2865, 45.2973, 67.7104



49.0700, 45.2973, 43.2975

Rectangle

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



40.8956, 45.2973, 34.6048



37.4917, 45.2973, 43.7639



45.2865, 45.2973, 67.7104



49.1403, 45.2973, 55.3298

Sweetspot

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



40.8968, 45.2993, 34.6058



78.3318, 83.8649, 81.8152



35.4967, 33.8014, 32.6711



17.2498, 18.5019, 17.8343



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.8968, 45.2993, 34.6058



73.0384, 81.6622, 57.7991



37.2407, 43.4145, 34.4347



9.6965, 10.4757, 9.6179



23.7351, 29.7722, 4.4956



0.8526, 1.0578, 0.1592

Inverse Universe

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



31.6129, 31.0425, 48.5841



53.4041, 51.5095, 87.3633



34.9078, 32.7411, 48.7383



8.5688, 8.7441, 11.3156



6.0775, 2.4442, 31.4045



0.2309, 0.0947, 1.1079

Previews

White Background



This preview shows how the XYZ color 40.8956, 45.2973, 34.6048 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 40.8956, 45.2973, 34.6048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

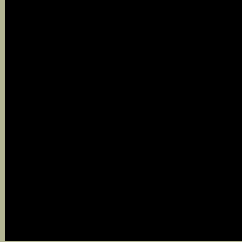
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

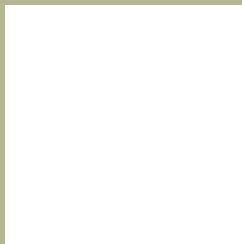
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8956, 45.2973, 34.6048

Background



This preview shows how black text looks on a background with the XYZ color 40.8956, 45.2973, 34.6048.



This preview shows how white text looks on a background with the XYZ color 40.8956, 45.2973,

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

40.8956, 45.2973, 34.6048

Protanopia

42.6218, 45.2939, 34.1000

Deuteranopia

45.9897, 44.9725, 35.1108



Tritanopia

45.0693, 45.2075, 55.0657

Trichromacy



Original Color

40.8956, 45.2973, 34.6048

Protanomaly

41.8374, 45.1882, 34.1209

Deuteranomaly

43.9761, 45.0909, 34.8194

Tritanomaly

43.4254, 45.1263, 46.9789

Monochromacy



Original Color

40.8956, 45.2973, 34.6048

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.6856, 44.6139, 42.9735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8956, 45.2973, 34.6048 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(180, 182, 148)` looks like.

```
.text, #text, p{  
    color:rgb(180, 182, 148)  
}
```

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(180, 182, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 182, 148) }
```

Border

The CSS property to change the border of an element to XYZ 40.8956, 45.2973, 34.6048 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(180, 182, 148) }
```


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

```
.border{ border-color:rgb(180, 182, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 182, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 182, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 182, 148);  
box-shadow:4px 4px 4px 4px rgb(180, 182,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8956, 45.2973, 34.6048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 182, 148) }
```

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

```
.background{ background-color: rgb(180,  
182, 148) }
```

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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