

Converting Colors

XYZ(40.0715, 48.9321, 23.9678)

Have a look what the booklet for
XYZ(40.0715, 48.9321, 23.9678)
contains.

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Color

**XYZ(40.1234, 48.9585,
23.8582)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC274
RGB	175, 194, 116
RGB Percent	69%, 76%, 45%
CMY	0.3137, 0.2392, 0.5451
CMYK	0.10, 0.00, 0.40, 0.24
HSL	75°, 39%, 61%
HSV	75°, 40%, 76%
XYZ	40.1234, 48.9585, 23.8582
YIQ	179.4270, 13.7140, -28.2860

Conversions

Conversions Part 2

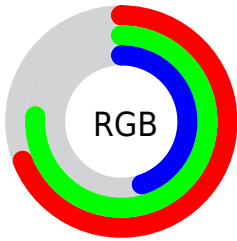
Format	Color
RYB	116, 194, 135
Decimal	11518580
CIELab	75.43, -19.00, 37.06
CIELCh	75, 41.641, 117.141
Yxy	48.9585, 0.3553, 0.4335
Android (android.graphics.Color)	4289708660 (0xFFAFC274)
YUV	179.4270, -31.2695, -3.8825
Hunter-Lab	69.9704, -20.0901, 28.7628

Details

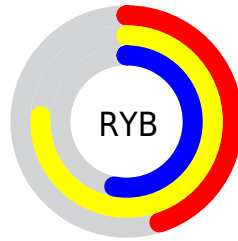
The XYZ color **40.1234, 48.9585, 23.8582** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.9765, 21.5380, 53.8299**, and the grayscale version is **43.2334, 45.4849, 49.5331**.

A 20% lighter version of the original color is **74.9373, 89.0147, 50.7681**, and **18.2466, 23.2145, 8.6734** is the 20% darker color. If you saturate the color by 10%, you get **38.0687, 48.0179, 18.4741**, and if you desaturate by 10%, it is **42.4533, 50.0169, 30.4873**.

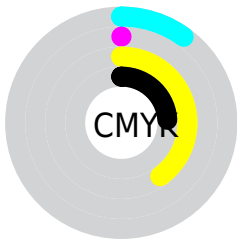
Distribution



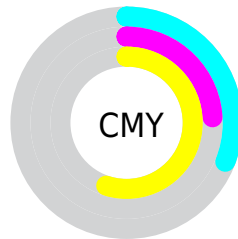
- Red (69%)
- Green (76%)
- Blue (45%)



- Red (45%)
- Yellow (76%)
- Blue (53%)



- Cyan (10%)
- Magenta (0%)
- Yellow (40%)
- Black (24%)



- Cyan (31%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1234, 48.9585, 23.8582 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 40.1234, 48.9585, 23.8582 by changing the saturation by 10% instead.

■ 40.1234, 48.9585,
23.8582

■ 40.1234, 48.9585,
23.8582

337.7689,
382.5789, 285.3662

■ 27.8194, 34.5866,
15.0172

■ 74.6345, 88.6298,
50.7396

■ 18.3293, 23.3446,
8.6847

■ 97.5724, 114.6980,
69.6172

■ 11.2878, 14.8481,
4.4421

■ 124.7856,
145.4337, 92.6773

■ 6.3295, 8.7129,
1.8709

156.6394,
181.2213, 120.3387

■ 3.0890, 4.5544,
0.4741

193.4994,
222.4452, 153.0197

■ 1.2010, 1.9883,
0.0000

235.7307,

■ 0.1072, 0.6006,

269.4899, 191.1389

0.0000

283.6987,
322.7397, 235.1149

■ 0.0000, 0.0000,
0.0000

■ 40.1234, 48.9585,
23.8582

■ 40.1234, 48.9585,
23.8582

■ 38.0687, 48.0179,
18.4741

■ 42.4533, 50.0169,
30.4873

■ 36.2706, 47.1825,
14.2540

■ 45.0687, 51.1921,
38.4294

■ 34.7132, 46.4475,
11.1122


■ 47.9838, 52.4915,
47.7514


■ 33.3776, 45.8055,
8.9499

■ 51.2103, 53.9200,
58.5147


■ 32.2410, 45.2472,
7.6504


■ 54.7598, 55.4821,
70.7768

 31.2784, 44.7645,
6.9919

 58.6429, 57.1821,
84.5924

 62.8697, 59.0242,
100.0132

 64.7295, 59.9240,
102.7626

 66.1191, 60.6404,
102.8277

Harmonies

Analogous

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



47.2731, 48.9585, 21.2669



40.1234, 48.9585, 23.8582



35.2097, 48.9585, 33.5143

Triad

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



40.1234, 48.9585, 23.8582



38.9801, 48.9585, 97.2524



62.8760, 48.9585, 55.4422

Complementary

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



40.1234, 48.9585, 23.8582



25.9765, 21.5380, 53.8299

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.



60.0572, 48.9585, 79.6713



40.1234, 48.9585, 23.8582



45.8018, 48.9585, 107.6129

Square

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



40.1234, 48.9585, 23.8582



34.6023, 48.9585, 74.9957



53.5925, 48.9585, 100.4321



60.9335, 48.9585, 36.2643

Rectangle

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



40.1234, 48.9585, 23.8582



33.5829, 48.9585, 44.4476



53.5925, 48.9585, 100.4321



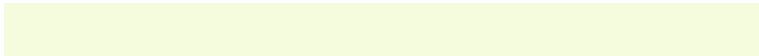
62.4473, 48.9585, 63.2728

Sweetspot

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



40.1246, 48.9607, 23.8592



85.8380, 94.6110, 82.9545



33.9550, 29.8373, 20.4932



18.6396, 20.6485, 17.6553



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.



40.1246, 48.9607, 23.8592



69.4761, 87.2263, 34.7448



32.7296, 45.1484, 23.5132



10.6659, 11.6308, 10.7447



20.6405, 29.4694, 4.6003



0.9507, 1.3037, 0.2015

Inverse Universe

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



25.9765, 21.5380, 53.8299



40.4524, 30.9192, 96.3057



33.2625, 25.2941, 54.1709



9.7531, 9.8638, 12.6747



7.2442, 2.9950, 33.7529



0.3777, 0.1628, 1.4614

Previews

White Background



This preview shows how the XYZ color 40.1234, 48.9585, 23.8582 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 40.1234, 48.9585, 23.8582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

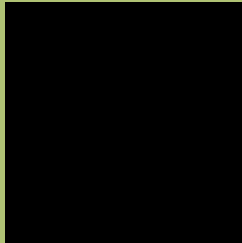
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1234, 48.9585, 23.8582

Background



This preview shows how black text looks on a background with the XYZ color 40.1234, 48.9585, 23.8582.



This preview shows how white text looks on a background with the XYZ color 40.1234, 48.9585,

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

40.1234, 48.9585, 23.8582

Protanopia

45.1681, 49.0066, 22.7014

Deuteranopia

49.5437, 48.4883, 24.5172



Tritanopia

47.6990, 48.8436, 60.9466

Trichromacy



Original Color

40.1234, 48.9585, 23.8582

Protanomaly

43.2272, 48.9476, 23.0891

Deuteranomaly

45.7169, 48.3207, 24.3701

Tritanomaly

44.4361, 48.7761, 44.6088

Monochromacy



Original Color

40.1234, 48.9585, 23.8582

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.5013, 46.1463, 38.1723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1234, 48.9585, 23.8582 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(175, 194, 116)` looks like.

```
.text, #text, p{  
    color:rgb(175, 194, 116)  
}
```

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(175, 194, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 194, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.1234, 48.9585, 23.8582 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(175, 194, 116) }
```


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

```
.border{ border-color:rgb(175, 194, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 194, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 194, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 194, 116);  
box-shadow:4px 4px 4px 4px rgb(175, 194,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1234, 48.9585, 23.8582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 194, 116) }
```

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

```
.background{ background-color: rgb(175,  
194, 116) }
```

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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