

Converting Colors

XYZ(40.1580, 46.4214, 8.4338)

Have a look what the booklet for
XYZ(40.1580, 46.4214, 8.4338)
contains.

XYZ(40.1580, 46.4214, 8.4338)	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(40.1580, 46.4214,
8.4338)**

Conversions

Conversions Part 1

Format	Color
Hex	C3B923
RGB	195, 185, 35
RGB Percent	76%, 73%, 14%
CMY	0.2353, 0.2745, 0.8627
CMYK	0.00, 0.05, 0.82, 0.24
HSL	56°, 70%, 45%
HSV	56°, 82%, 76%
XYZ	40.1580, 46.4214, 8.4338
YIQ	170.8900, 54.1100, -44.5300

Conversions

Conversions Part 2

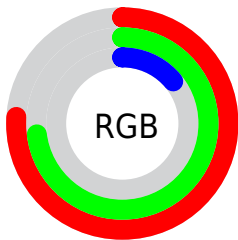
Format	Color
R _Y B	46, 195, 35
Decimal	12826915
CIE Lab	73.82, -11.96, 69.60
CIE LCh	74, 70.624, 99.750
Yxy	46.4214, 0.4227, 0.4886
Android (android.graphics.Color)	4291016995 (0xFFC3B923)
YUV	170.8900, -66.9938, 21.1445
Hunter-Lab	68.1333, -14.0246, 40.3541

Details

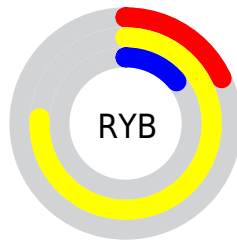
The XYZ color **40.1580, 46.4214, 8.4338** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **11.4821, 6.1744, 52.2159**, and the grayscale version is **38.9616, 40.9907, 44.6388**.

A 20% lighter version of the original color is **74.7609, 84.9968, 23.2922**, and **18.5678, 21.8209, 3.2332** is the 20% darker color. If you saturate the color by 10%, you get **39.6917, 45.8307, 7.2254**, and if you desaturate by 10%, it is **40.7893, 47.0852, 10.4914**.

Distribution



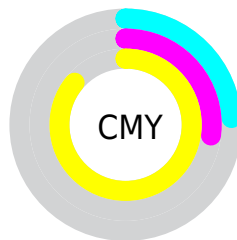
- Red (76%)
- Green (73%)
- Blue (14%)



- Red (18%)
- Yellow (76%)
- Blue (14%)



- Cyan (0%)
- Magenta (5%)
- Yellow (82%)
- Black (24%)



- Cyan (24%)
- Magenta (27%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1580, 46.4214, 8.4338 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 40.1580, 46.4214, 8.4338 by changing the saturation by 10% instead.

■ 40.1580, 46.4214,
8.4338

■ 40.1580, 46.4214,
8.4338

337.9121,
372.5002, 189.1559

■ 27.8465, 32.5785,
4.2820

■ 74.6869, 84.8493,
23.3646

■ 18.3499, 21.8037,
1.7813

■ 97.6349, 110.2031,
34.9808

■ 11.3027, 13.7128,
0.4156

■ 124.8593,
140.1626, 49.9221

■ 6.3396, 7.9212,
0.0000

■ 156.7252,
175.1123, 68.6072

■ 3.0953, 4.0445,
0.0000

■ 193.5981,
215.4365, 91.4546

■ 1.2043, 1.6985,
0.0000

■ 235.8433,

■ 0.1098, 0.4227,

261.5196, 118.8828

0.0000

283.8262,
313.7461, 151.3104

■ 0.0000, 0.0000,
0.0000

■ 40.1580, 46.4214,
8.4338

■ 40.1580, 46.4214,
8.4338

■ 39.6917, 45.8307,
7.2254

■ 40.7893, 47.0852,
10.4914

■ 39.4016, 45.3942,
6.6853

■ 41.6059, 47.8248,
13.5181

■ 42.6283, 48.6502,
17.6178

■ 43.8735, 49.5683,
22.8802

■ 45.3568, 50.5852,
29.3856

■ 47.0921, 51.7064,
37.2071

■ 49.0923, 52.9371,
46.4124

■ 51.3693, 54.2821,
57.0643

■ 53.9343, 55.7458,
69.2218

Harmonies

Analogous

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



53.0186, 46.4214, 9.4660



40.1580, 46.4214, 8.4338



30.4129, 46.4214, 13.8402

Triad

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



40.1580, 46.4214, 8.4338



28.0393, 46.4214, 108.9136



70.8747, 46.4214, 78.4576

Complementary

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



40.1580, 46.4214, 8.4338



11.4821, 6.1744, 52.2159

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.



61.4335, 46.4214, 124.5354



40.1580, 46.4214, 8.4338



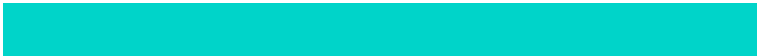
36.2811, 46.4214, 147.1439

Square

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



40.1580, 46.4214, 8.4338



24.3464, 46.4214, 63.1839



48.3389, 46.4214, 153.9236



72.4550, 46.4214, 39.7151

Rectangle

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



40.1580, 46.4214, 8.4338



26.3778, 46.4214, 23.0979



48.3389, 46.4214, 153.9236



68.4405, 46.4214, 94.0002

Sweetspot

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



40.1591, 46.4236, 8.4347



83.2538, 91.9158, 61.6900



23.5935, 12.9992, 3.8168



17.9884, 19.9713, 12.4131



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.



40.1591, 46.4236, 8.4347



70.6188, 81.3568, 12.1264



28.3739, 43.5618, 8.5035



10.8578, 11.6471, 10.7377



25.6323, 29.5503, 4.3528



1.1241, 1.3099, 0.1936

Inverse Universe

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



11.4821, 6.1744, 52.2159



17.9644, 7.6077, 92.9914



16.1996, 8.1059, 52.3401



9.5777, 9.8467, 12.6806



6.5111, 2.7787, 33.7498



0.2991, 0.1556, 1.4642

Previews

White Background



This preview shows how the XYZ color 40.1580, 46.4214, 8.4338 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 40.1580, 46.4214, 8.4338 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 40.1580, 46.4214, 8.4338

Background



This preview shows how black text looks on a background with the XYZ color 40.1580, 46.4214, 8.4338.



This preview shows how white text looks on a background with the XYZ color 40.1580, 46.4214,

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

40.1580, 46.4214, 8.4338

Protanopia

41.9185, 46.4088, 8.2618

Deuteranopia

47.1654, 46.1662, 8.6156



Tritanopia

49.0690, 46.1720, 52.7802

Trichromacy



Original Color

40.1580, 46.4214, 8.4338

Protanomaly

41.3096, 46.4000, 8.2922

Deuteranomaly

44.4073, 46.1897, 8.4944

Tritanomaly

44.1760, 45.6395, 27.9537

Monochromacy



Original Color

40.1580, 46.4214, 8.4338

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.8606, 42.1591, 24.5544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1580, 46.4214, 8.4338 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(195, 185, 35)` looks like.

```
.text, #text, p{  
    color:rgb(195, 185, 35)  
}
```

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(195, 185, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 185, 35) }
```

Border

The CSS property to change the border of an element to XYZ 40.1580, 46.4214, 8.4338 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(195, 185, 35) }
```


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

```
.border{ border-color:rgb(195, 185, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 185, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 185, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 185, 35);  
box-shadow:4px 4px 4px 4px rgb(195, 185,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1580, 46.4214, 8.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 185, 35) }
```

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

```
.background{ background-color: rgb(195,  
185, 35) }
```

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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