

Converting Colors

XYZ(36.7841, 39.9207, 6.4763)

Have a look what the booklet for
XYZ(36.7841, 39.9207, 6.4763)
contains.

XYZ(36.8290, 40.0322, 6.4954)	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(36.8290, 40.0322,
6.4954)**

Conversions

Conversions Part 1

Format	Color
Hex	C3A915
RGB	195, 169, 21
RGB Percent	76%, 66%, 8%
CMY	0.2353, 0.3372, 0.9176
CMYK	0.00, 0.13, 0.89, 0.24
HSL	51°, 81%, 42%
HSV	51°, 89%, 76%
XYZ	36.8290, 40.0322, 6.4954
YIQ	159.9020, 63.0040, -40.5160

Conversions

Conversions Part 2

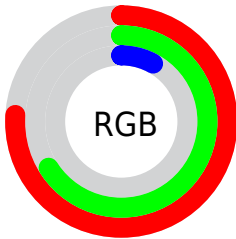
Format	Color
RYB	52, 195, 21
Decimal	12822805
CIELab	69.49, -3.98, 69.25
CIElCh	69, 69.368, 93.291
Yxy	40.0322, 0.4418, 0.4803
Android (android.graphics.Color)	4291012885 (0xFFC3A915)
YUV	159.9020, -68.4787, 30.7809
Hunter-Lab	63.2710, -6.8224, 38.2030

Details

The XYZ color **36.8290, 40.0322, 6.4954** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.1764, 6.1330, 52.2240**, and the grayscale version is **33.6552, 35.4079, 38.5592**.

A 20% lighter version of the original color is **69.5353, 75.2272, 19.4497**, and **16.6778, 18.0409, 2.6032** is the 20% darker color. If you saturate the color by 10%, you get **36.1667, 38.9113, 5.6478**, and if you desaturate by 10%, it is **37.6343, 41.2328, 8.0285**.

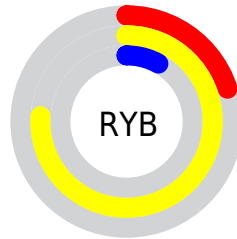
Distribution



Red (76%)

Green (66%)

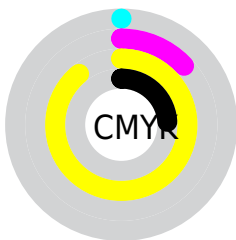
Blue (8%)



Red (20%)

Yellow (76%)

Blue (8%)

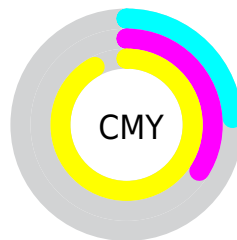


Cyan (0%)

Magenta (13%)

Yellow (89%)

Black (24%)



Cyan (24%)


Magenta (34%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8290, 40.0322, 6.4954 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 36.8290, 40.0322, 6.4954 by changing the saturation by 10% instead.


 36.8290, 40.0322,
6.4954


 36.8290, 40.0322,
6.4954


323.9380,
346.2593, 172.8711


 25.2482, 27.5637,
3.0750


 69.6252, 75.2125,
19.4459

 16.3918, 17.9970,
1.1330


 91.5714, 98.6931,
29.8131

 9.8944, 10.9478,
0.0000


 117.7034,
126.6132, 43.3330

 5.3907, 6.0318,
0.0000

 148.3865,
159.3571, 60.4240

 2.5154, 2.8644,
0.0000

 183.9862,
197.3093, 81.5048

 0.9030, 1.0614,
0.0000

 224.8678,

 0.0000, 0.0000,

240.8541, 106.9939

0.0000

271.3966,
290.3760, 137.3098

■ 36.8290, 40.0322,
6.4954

■ 36.8290, 40.0322,
6.4954

■ 36.1667, 38.9113,
5.6478

■ 37.6343, 41.2328,
8.0285

■ 36.1174, 38.8259,
5.5906

■ 38.6186, 42.5229,
10.4487

■ 39.8052, 43.9135,
13.8731

■ 41.2126, 45.4121,
18.4002

■ 42.8576, 47.0255,
24.1169

■ 44.7549, 48.7598,
31.1013

■ 46.9183, 50.6206,
39.4249

■ 49.3604, 52.6130,
49.1539

■ 52.0930, 54.7419,
60.3500

Harmonies

Analogous

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



48.5473, 40.0322, 8.4871



36.8290, 40.0322, 6.4954



27.4316, 40.0322, 9.7302

Triad

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



36.8290, 40.0322, 6.4954



22.7660, 40.0322, 86.8439



60.6532, 40.0322, 77.5101

Complementary

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



36.8290, 40.0322, 6.4954



11.1764, 6.1330, 52.2240

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.



51.1046, 40.0322, 117.9170



36.8290, 40.0322, 6.4954



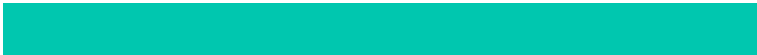
29.1857, 40.0322, 124.9106

Square

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



36.8290, 40.0322, 6.4954



20.3762, 40.0322, 47.2178



39.2965, 40.0322, 138.4121



63.7858, 40.0322, 40.1497

Rectangle

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



36.8290, 40.0322, 6.4954



23.2919, 40.0322, 16.1809



39.2965, 40.0322, 138.4121



58.0063, 40.0322, 91.6911

Sweetspot

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



36.8299, 40.0341, 6.4962



80.8216, 87.9155, 58.2158



23.2891, 12.3448, 3.8562



17.4218, 19.0070, 11.7032



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.



36.8299, 40.0341, 6.4962



64.5408, 69.2451, 9.9640



29.4984, 44.1609, 7.6792



10.7811, 11.4936, 10.7121



23.5233, 25.3324, 3.6498



1.0520, 1.1657, 0.1696

Inverse Universe

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



11.1764, 6.1330, 52.2240



18.3262, 8.4250, 93.1301



13.5902, 6.2665, 52.1226



9.6471, 9.9855, 12.7038



6.7288, 3.2142, 33.8224



0.3304, 0.2182, 1.4746

Previews

White Background



This preview shows how the XYZ color 36.8290, 40.0322, 6.4954 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 36.8290, 40.0322, 6.4954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

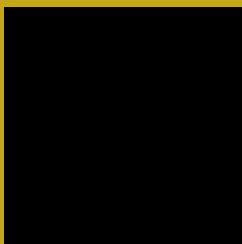
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

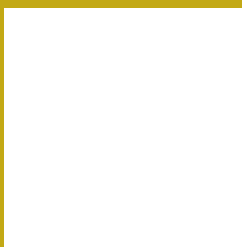
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8290, 40.0322, 6.4954

Background



This preview shows how black text looks on a background with the XYZ color 36.8290, 40.0322, 6.4954.



This preview shows how white text looks on a background with the XYZ color 36.8290, 40.0322,

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

36.8290, 40.0322, 6.4954

Protanopia

35.9959, 39.8800, 6.5099

Deuteranopia

40.6860, 39.8697, 6.6498



Tritanopia

44.1202, 39.8159, 42.8960

Trichromacy



Original Color

36.8290, 40.0322, 6.4954

Protanomaly

36.2483, 40.0101, 6.5217

Deuteranomaly

39.1831, 39.8865, 6.5534

Tritanomaly

39.9268, 39.1451, 21.6710

Monochromacy



Original Color

36.8290, 40.0322, 6.4954

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.0911, 36.1827, 19.7079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8290, 40.0322, 6.4954 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, 169, 21)` looks like.

```
.text, #text, p{  
    color:rgb(195, 169, 21)  
}
```

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, 169, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 169, 21) }
```

Border

The CSS property to change the border of an element to XYZ 36.8290, 40.0322, 6.4954 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, 169, 21) }
```


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

```
.border{ border-color:rgb(195, 169, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 169, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 169, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 169, 21);  
box-shadow:4px 4px 4px 4px rgb(195, 169,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8290, 40.0322, 6.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 169, 21) }
```

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

```
.background{ background-color: rgb(195,  
169, 21) }
```

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