

Converting Colors

XYZ(36.8744, 36.6808, 6.7977)

Have a look what the booklet for
XYZ(36.8744, 36.6808, 6.7977)
contains.

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Color

**XYZ(36.8355, 36.6008,
6.7923)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9C24
RGB	203, 156, 36
RGB Percent	80%, 61%, 14%
CMY	0.2039, 0.3882, 0.8588
CMYK	0.00, 0.23, 0.82, 0.20
HSL	43°, 70%, 47%
HSV	43°, 82%, 80%
XYZ	36.8355, 36.6008, 6.7923
YIQ	156.3730, 66.5320, -27.3560

Conversions

Conversions Part 2

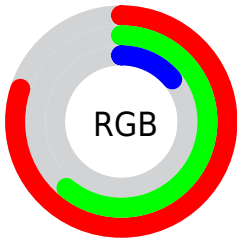
Format	Color
RYB	101, 203, 36
Decimal	13343780
CIELab	66.98, 6.88, 63.74
CIElCh	67, 64.114, 83.836
Yxy	36.6008, 0.4591, 0.4562
Android (android.graphics.Color)	4291533860 (0xFFCB9C24)
YUV	156.3730, -59.3439, 40.8919
Hunter-Lab	60.4986, 2.8099, 35.6924

Details

The XYZ color **36.8355, 36.6008, 6.7923** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.6003, 10.8733, 57.8287**, and the grayscale version is **32.0041, 33.6708, 36.6675**.

A 20% lighter version of the original color is **66.2184, 68.1259, 19.7847**, and **16.5532, 16.0324, 2.2221** is the 20% darker color. If you saturate the color by 10%, you get **35.6729, 34.6392, 5.2846**, and if you desaturate by 10%, it is **38.2204, 38.7264, 9.2411**.

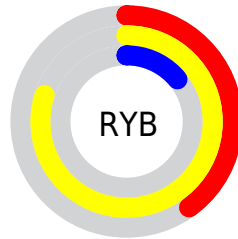
Distribution



Red (80%)

Green (61%)

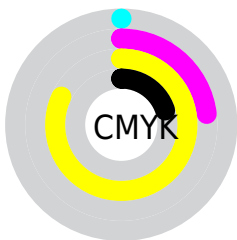
Blue (14%)



Red (40%)

Yellow (80%)

Blue (14%)

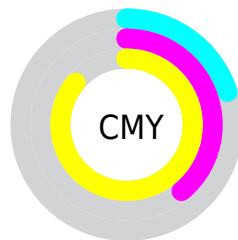


Cyan (0%)

Magenta (23%)

Yellow (82%)

Black (20%)



Cyan (20%)


Magenta (39%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8355, 36.6008, 6.7923 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 36.8355, 36.6008, 6.7923 by changing the saturation by 10% instead.


 36.8355, 36.6008,
6.7923


 36.8355, 36.6008,
6.7923


323.9657,
331.5790, 175.4915

 25.2532, 24.8986,
3.2561


 69.6352, 69.9584,
20.0598

 16.3956, 16.0015,
1.2268


 91.5833, 92.3825,
30.6282

 9.8971, 9.5252,
0.0007


 117.7175,
119.1494, 44.3778

 5.3925, 5.0853,
0.0000

 148.4030,
150.6434, 61.7270

 2.5165, 2.2974,
0.0000

 184.0052,
187.2490, 83.0944

 0.9036, 0.7723,
0.0000

 224.8895,

 0.0000, 0.0000,

229.3505, 108.8986

0.0000

271.4212,
277.3324, 139.5581

■ 36.8355, 36.6008,
6.7923

■ 36.8355, 36.6008,
6.7923

■ 35.6729, 34.6392,
5.2846

■ 38.2204, 38.7264,
9.2411

■ 34.8878, 33.2151,
4.5724

■ 39.8518, 41.0222,
12.7659

■ 41.7527, 43.4999,
17.4818

■ 43.9426, 46.1681,
23.4882

■ 46.4389, 49.0347,
30.8743

■ 49.2576, 52.1071,
39.7213

■ 52.4133, 55.3920,
50.1039

■ 55.9199, 58.8957,
62.0918

■ 59.7902, 62.6243,
75.7505

Harmonies

Analogous

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



47.0365, 36.6008, 10.3587



36.8355, 36.6008, 6.7923



27.7619, 36.6008, 8.1880

Triad

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



36.8355, 36.6008, 6.7923



20.3280, 36.6008, 65.6631



52.1831, 36.6008, 80.5666

Complementary

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



36.8355, 36.6008, 6.7923



14.6003, 10.8733, 57.8287

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.



42.9094, 36.6008, 111.6959



36.8355, 36.6008, 6.7923



24.8750, 36.6008, 100.6463

Square

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



36.8355, 36.6008, 6.7923



19.3059, 36.6008, 34.3718



32.8177, 36.6008, 120.3810



56.9000, 36.6008, 45.8858

Rectangle

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



36.8355, 36.6008, 6.7923



23.3727, 36.6008, 12.3515



32.8177, 36.6008, 120.3810



49.4207, 36.6008, 92.3390

Sweetspot

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



36.8363, 36.6026, 6.7930



80.9731, 85.6358, 61.6962



26.8332, 14.5880, 9.6501



16.9713, 17.9372, 12.0741



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.



36.8363, 36.6026, 6.7930



58.3858, 55.5292, 7.7142



37.5721, 51.0346, 9.5399



11.8767, 12.5423, 11.8744



22.2830, 21.2990, 2.9367



1.2117, 1.2232, 0.1722

Inverse Universe

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



14.6003, 10.8733, 57.8287



20.5035, 12.0797, 95.8587



14.0969, 6.9588, 57.0997



10.8545, 11.3495, 14.1889



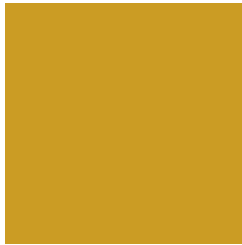
7.8623, 4.7487, 36.4585



0.4709, 0.3755, 1.9026

Previews

White Background



This preview shows how the XYZ color 36.8355, 36.6008, 6.7923 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 36.8355, 36.6008, 6.7923 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 36.8355, 36.6008, 6.7923

Background



This preview shows how black text looks on a background with the XYZ color 36.8355, 36.6008, 6.7923.



This preview shows how white text looks on a background with the XYZ color 36.8355, 36.6008,

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

36.8355, 36.6008, 6.7923

Protanopia

33.3925, 36.8812, 7.1925

Deuteranopia

37.5089, 36.6981, 6.8568



Tritanopia

42.7045, 36.3527, 36.2185

Trichromacy



Original Color

36.8355, 36.6008, 6.7923

Protanomaly

34.5647, 36.6997, 7.0123

Deuteranomaly

37.2321, 36.5554, 6.8438

Tritanomaly

39.4042, 35.9301, 20.1876

Monochromacy



Original Color

36.8355, 36.6008, 6.7923

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0467, 33.8310, 20.1702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8355, 36.6008, 6.7923 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(203, 156, 36)` looks like.

```
.text, #text, p{  
    color:rgb(203, 156, 36)  
}
```

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(203, 156, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 156, 36) }
```

Border

The CSS property to change the border of an element to XYZ 36.8355, 36.6008, 6.7923 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(203, 156, 36) }
```


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

```
.border{ border-color:rgb(203, 156, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 156, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 156, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 156, 36);  
box-shadow:4px 4px 4px 4px rgb(203, 156,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8355, 36.6008, 6.7923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 156, 36) }
```

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

```
.background{ background-color: rgb(203,  
156, 36) }
```

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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