

Converting Colors

XYZ(36.8587, 36.1408, 5.6950)

Have a look what the booklet for
XYZ(36.8587, 36.1408, 5.6950)
contains.

XYZ(36.8587, 36.1408, 5.6950)	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(36.8587, 36.1408,
5.6950)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9A14
RGB	205, 154, 20
RGB Percent	80%, 60%, 8%
CMY	0.1961, 0.3961, 0.9215
CMYK	0.00, 0.25, 0.90, 0.20
HSL	43°, 82%, 44%
HSV	43°, 90%, 80%
XYZ	36.8587, 36.1408, 5.6950
YIQ	153.9730, 73.4100, -30.8620

Conversions

Conversions Part 2

Format	Color
RYB	90, 205, 20
Decimal	13474324
CIELab	66.63, 8.46, 67.67
CIELCh	67, 68.193, 82.869
Yxy	36.1408, 0.4684, 0.4593
Android (android.graphics.Color)	4291664404 (0xFFCD9A14)
YUV	153.9730, -66.0487, 44.7507
Hunter-Lab	60.1172, 4.2357, 36.4654

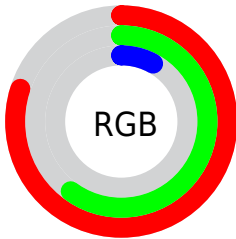
Details

The XYZ color **36.8587, 36.1408, 5.6950** 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 **13.5614, 9.0632, 58.7918**, and the grayscale version is **30.9627, 32.5752, 35.4744**.

A 20% lighter version of the original color is **65.3189, 66.9809, 17.4686**, and **16.7043, 15.8115, 2.1715** is the 20% darker color. If you saturate the color by 10%, you get **35.8436, 34.3130, 4.7339**, and if you desaturate by 10%, it is **38.0797, 38.1584, 7.4113**.

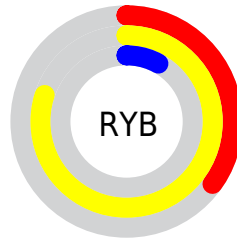
Distribution



Red (80%)

Green (60%)

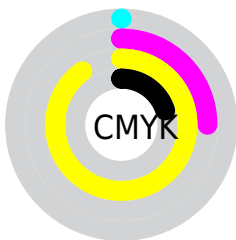
Blue (8%)



Red (35%)

Yellow (80%)

Blue (8%)

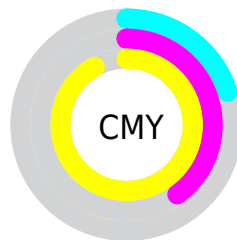


Cyan (0%)

Magenta (25%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8587, 36.1408, 5.6950 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 36.8587, 36.1408, 5.6950 by changing the saturation by 10% instead.


 36.8587, 36.1408,
5.6950


 36.8587, 36.1408,
5.6950

324.0645,
329.5755, 165.5278

 25.2713, 24.5430,
2.5948


 69.6707, 69.2493,
17.7611


 16.4091, 15.7369,
0.8897


 91.6259, 91.5288,
27.5640

 9.9068, 9.3382,
0.0000


 117.7678,
118.1376, 40.4382

 5.3990, 4.9624,
0.0000

 148.4617,
149.4602, 56.8023

 2.5204, 2.2252,
0.0000

 184.0730,
185.8808, 77.0747

 0.9055, 0.7337,
0.0000

 224.9670,

 0.0000, 0.0000,

227.7840, 101.6741

0.0000

271.5090,
275.5541, 131.0189

■ 36.8587, 36.1408,
5.6950

■ 36.8587, 36.1408,
5.6950

■ 35.8436, 34.3130,
4.7339

■ 38.0797, 38.1584,
7.4113

■ 39.5298, 40.3373,
10.1184

■ 41.2360, 42.6908,
13.9515

■ 43.2204, 45.2286,
19.0243

■ 45.5023, 47.9593,
25.4365

■ 48.0993, 50.8908,
33.2773

■ 51.0275, 54.0304,
42.6286

■ 54.3016, 57.3849,
53.5658

■ 57.9354, 60.9605,
66.1592

Harmonies

Analogous

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



47.6910, 36.1408, 9.3046



36.8587, 36.1408, 5.6950



27.2389, 36.1408, 6.8719

Triad

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



36.8587, 36.1408, 5.6950



19.1890, 36.1408, 65.6516



52.6056, 36.1408, 84.2679

Complementary

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



36.8587, 36.1408, 5.6950



13.5614, 9.0632, 58.7918

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.



42.6039, 36.1408, 117.7595



36.8587, 36.1408, 5.6950



23.7637, 36.1408, 103.7852

Square

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



36.8587, 36.1408, 5.6950



18.2560, 36.1408, 32.7452



31.9592, 36.1408, 126.2738



57.8851, 36.1408, 46.7908

Rectangle

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



36.8587, 36.1408, 5.6950



22.5995, 36.1408, 10.7657



31.9592, 36.1408, 126.2738



49.5993, 36.1408, 96.9966

Sweetspot

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



36.8595, 36.1426, 5.6957



80.1204, 84.8146, 58.6861



26.6105, 13.9530, 7.4940



16.8097, 17.7830, 11.4992



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.



36.8595, 36.1426, 5.6957



58.5279, 55.8359, 7.6926



37.4575, 51.7034, 8.6677



11.8822, 12.5534, 11.8762



22.3972, 21.5274, 2.9747



1.2169, 1.2335, 0.1739

Inverse Universe

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



13.5614, 9.0632, 58.7918



20.2585, 11.6369, 95.7862



13.1385, 5.8718, 58.1981



10.8493, 11.3390, 14.1872



7.8249, 4.6739, 36.4460



0.4684, 0.3706, 1.9018

Previews

White Background



This preview shows how the XYZ color 36.8587, 36.1408, 5.6950 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 36.8587, 36.1408, 5.6950 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 36.8587, 36.1408, 5.6950

Background



This preview shows how black text looks on a background with the XYZ color 36.8587, 36.1408, 5.6950.



This preview shows how white text looks on a background with the XYZ color 36.8587, 36.1408,

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

36.8587, 36.1408, 5.6950

Protanopia

32.7803, 36.3235, 6.0940

Deuteranopia

36.8587, 36.1408, 5.6950



Tritanopia

42.8066, 35.9751, 35.2596

Trichromacy



Original Color

36.8587, 36.1408, 5.6950

Protanomaly

34.2015, 36.2759, 5.9584

Deuteranomaly

36.8587, 36.1408, 5.6950

Tritanomaly

39.2780, 35.4427, 18.1355

Monochromacy



Original Color

36.8587, 36.1408, 5.6950

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3390, 33.0154, 18.0855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8587, 36.1408, 5.6950 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(205, 154, 20)` looks like.

```
.text, #text, p{  
    color:rgb(205, 154, 20)  
}
```

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(205, 154, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 154, 20) }
```

Border

The CSS property to change the border of an element to XYZ 36.8587, 36.1408, 5.6950 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(205, 154, 20) }
```


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

```
.border{ border-color:rgb(205, 154, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 154, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 154, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 154, 20);  
box-shadow:4px 4px 4px 4px rgb(205, 154,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8587, 36.1408, 5.6950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 154, 20) }
```

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

```
.background{ background-color: rgb(205,  
154, 20) }
```

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