

Converting Colors

XYZ(36.8577, 36.7496, 5.1508)

Have a look what the booklet for
XYZ(36.8577, 36.7496, 5.1508)
contains.

XYZ(36.7903, 36.6143, 5.1282)	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(36.7903, 36.6143,
5.1282)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9C00
RGB	204, 156, 0
RGB Percent	80%, 61%, 0%
CMY	0.2000, 0.3882, 0.9999
CMYK	0.00, 0.24, 1.00, 0.20
HSL	46°, 100%, 40%
HSV	46°, 100%, 80%
XYZ	36.7903, 36.6143, 5.1282
YIQ	152.5680, 78.6840, -38.3400

Conversions

Conversions Part 2

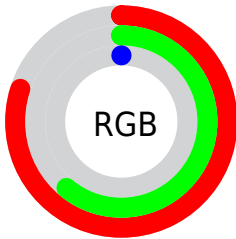
Format	Color
RYB	63, 204, 0
Decimal	13409280
CIELab	66.99, 6.69, 70.85
CIELCh	67, 71.169, 84.606
Yxy	36.6143, 0.4685, 0.4662
Android (android.graphics.Color)	4291599360 (0xFFCC9C00)
YUV	152.5680, -75.2160, 45.1059
Hunter-Lab	60.5098, 2.6370, 37.3320

Details

The XYZ color **36.7903, 36.6143, 5.1282** 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 **11.9564, 6.4742, 57.7457**, and the grayscale version is **30.3844, 31.9667, 34.8118**.

A 20% lighter version of the original color is **65.5566, 67.8612, 16.2999**, and **16.5532, 16.0324, 2.2221** is the 20% darker color. If you saturate the color by 10%, you get **36.7905, 36.6150, 5.1283**, and if you desaturate by 10%, it is **37.7425, 38.3110, 6.0868**.

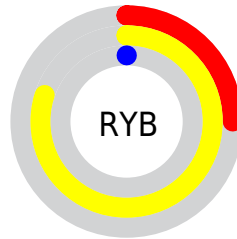
Distribution



Red (80%)

Green (61%)

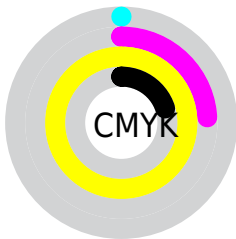
Blue (0%)



Red (25%)

Yellow (80%)

Blue (0%)

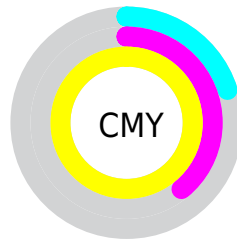


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7903, 36.6143, 5.1282 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 36.7903, 36.6143, 5.1282 by changing the saturation by 10% instead.

36.7903, 36.6143,
5.1282

36.7903, 36.6143,
5.1282

323.7731,
331.6376, 160.0431

25.2181, 24.9090,
2.2626

69.5661, 69.9792,
16.5379

16.3692, 16.0093,
0.7102

91.5004, 92.4075,
25.9191

9.8783, 9.5307,
0.0000

117.6194,
119.1791, 38.3092

5.3800, 5.0889,
0.0000

148.2885,
150.6781, 54.1268

2.5089, 2.2995,
0.0000

183.8731,
187.2891, 73.7905

0.8998, 0.7735,
0.0000

224.7385,

0.0000, 0.0000,

229.3964, 97.7187

0.0000

271.2500,
277.3845, 126.3301

36.7903, 36.6143,
5.1282

36.7903, 36.6143,
5.1282

36.7905, 36.6150,
5.1283

37.7425, 38.3110,
6.0868

38.8631, 40.1251,
7.7774

40.2004, 42.0779,
10.4481

41.7797, 44.1801,
14.2313

43.6226, 46.4410,
19.2386

■ 45.7481, 48.8685,
25.5682

■ 48.1731, 51.4701,
33.3081

■ 50.9132, 54.2525,
42.5388

■ 53.9829, 57.2219,
53.3346

Harmonies

Analogous

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



48.2717, 36.6143, 8.3775



36.7903, 36.6143, 5.1282



26.8486, 36.6143, 6.5522

Triad

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



36.7903, 36.6143, 5.1282



19.1253, 36.6143, 70.1207



54.6288, 36.6143, 85.2032

Complementary

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



36.7903, 36.6143, 5.1282



11.9564, 6.4742, 57.7457

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.



44.1860, 36.6143, 122.1022



36.7903, 36.6143, 5.1282



24.1028, 36.6143, 110.6833

Square

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



36.7903, 36.6143, 5.1282



17.9466, 36.6143, 34.5316



32.8843, 36.6143, 133.2631



59.8477, 36.6143, 45.7249

Rectangle

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



36.7903, 36.6143, 5.1282



22.1572, 36.6143, 10.7410



32.8843, 36.6143, 133.2631



51.5204, 36.6143, 98.9901

Sweetspot

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



36.7911, 36.6161, 5.1289



79.6107, 85.0635, 54.6061



25.4995, 13.0767, 4.3132



16.6613, 17.8066, 10.4619



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.



36.7911, 36.6161, 5.1289



60.7560, 60.2919, 8.4353



34.7302, 49.9580, 7.8128



11.9214, 12.6318, 11.8893



23.2310, 23.1949, 3.2527



1.2541, 1.3079, 0.1864

Inverse Universe

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



11.9564, 6.4742, 57.7457



19.6657, 10.4513, 95.5886



12.2649, 5.0640, 57.4573



10.8124, 11.2653, 14.1749



7.5855, 4.1949, 36.3662



0.4516, 0.3369, 1.8962

Previews

White Background



This preview shows how the XYZ color 36.7903, 36.6143, 5.1282 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 36.7903, 36.6143, 5.1282 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 36.7903, 36.6143, 5.1282

Background



This preview shows how black text looks on a background with the XYZ color 36.7903, 36.6143, 5.1282.

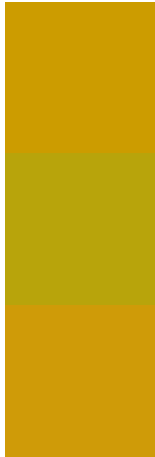


This preview shows how white text looks on a background with the XYZ color 36.7903, 36.6143,

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

36.7903, 36.6143, 5.1282

Protanopia

33.1030, 36.7654, 5.6683

Deuteranopia

37.4973, 36.7256, 5.3422



Tritanopia

43.2775, 36.6481, 36.2453

Trichromacy



Original Color

36.7903, 36.6143, 5.1282

Protanomaly

34.2691, 36.5814, 5.4558

Deuteranomaly

37.2023, 36.5755, 5.2426

Tritanomaly

39.2941, 35.9511, 16.6726

Monochromacy



Original Color

36.7903, 36.6143, 5.1282

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7265, 32.7449, 16.0102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7903, 36.6143, 5.1282 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(204, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 156, 0)  
}
```

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(204, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.7903, 36.6143, 5.1282 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(204, 156, 0) }
```


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

```
.border{ border-color:rgb(204, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 156,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7903, 36.6143, 5.1282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 156, 0) }
```

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

```
.background{ background-color: rgb(204,  
156, 0) }
```

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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