

Converting Colors

XYZ(36.6315, 36.2971, 5.0760)

Have a look what the booklet for
XYZ(36.6315, 36.2971, 5.0760)
contains.

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Color

**XYZ(36.6232, 36.2801,
5.0725)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9B00
RGB	204, 155, 0
RGB Percent	80%, 61%, 0%
CMY	0.2000, 0.3921, 0.9999
CMYK	0.00, 0.24, 1.00, 0.20
HSL	46°, 100%, 40%
HSV	46°, 100%, 80%
XYZ	36.6232, 36.2801, 5.0725
YIQ	151.9810, 78.9590, -37.8170

Conversions

Conversions Part 2

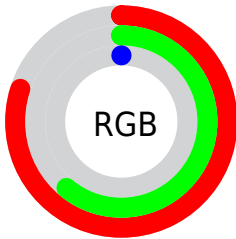
Format	Color
RYB	64, 204, 0
Decimal	13409024
CIELab	66.73, 7.23, 70.68
CIELCh	67, 71.048, 84.160
Yxy	36.2801, 0.4697, 0.4653
Android (android.graphics.Color)	4291599104 (0xFFCC9B00)
YUV	151.9810, -74.9266, 45.6207
Hunter-Lab	60.2330, 3.1249, 37.1700

Details

The XYZ color **36.6232, 36.2801, 5.0725** 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 **11.9978, 6.5569, 57.7595**, and the grayscale version is **30.1278, 31.6968, 34.5178**.

A 20% lighter version of the original color is **65.3105, 67.3689, 16.2179**, and **16.4519, 15.8299, 2.1884** is the 20% darker color. If you saturate the color by 10%, you get **36.6234, 36.2808, 5.0726**, and if you desaturate by 10%, it is **37.5860, 37.9981, 6.0346**.

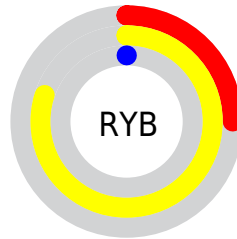
Distribution



Red (80%)

Green (61%)

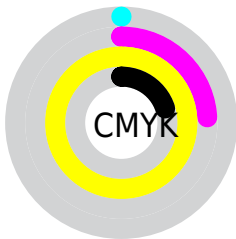
Blue (0%)



Red (25%)

Yellow (80%)

Blue (0%)

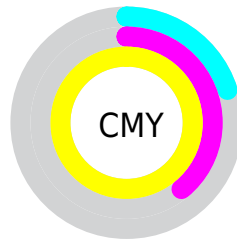


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6232, 36.2801, 5.0725 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 36.6232, 36.2801, 5.0725 by changing the saturation by 10% instead.


 36.6232, 36.2801,
5.0725


 36.6232, 36.2801,
5.0725


323.0602,
330.1832, 159.4896

 25.0882, 24.6506,
2.2304


 69.3105, 69.4642,
16.4162

 16.2719, 15.8169,
0.6918


 91.1935, 91.7875,
25.7548

 9.8088, 9.3947,
0.0000


 117.2566,
118.4443, 38.0960

 5.3337, 4.9995,
0.0000

 147.8651,
149.8189, 53.8583

 2.4811, 2.2470,
0.0000

 183.3843,
186.2957, 73.4603

 0.8857, 0.7454,
0.0000

 224.1797,

 0.0000, 0.0000,

228.2590, 97.3205

0.0000

270.6165,
276.0934, 125.8574

36.6232, 36.2801,
5.0725

36.6232, 36.2801,
5.0725

36.6234, 36.2808,
5.0726

37.5860, 37.9981,
6.0346

38.7186, 39.8361,
7.7292

40.0691, 41.8154,
10.4043

41.6630, 43.9468,
14.1923

43.5219, 46.2395,
19.2050

■ 45.6646, 48.7016,
25.5403

■ 48.1083, 51.3406,
33.2865

■ 50.8686, 54.1633,
42.5238

■ 53.9599, 57.1759,
53.3269

Harmonies

Analogous

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



48.0137, 36.2801, 8.3728



36.6232, 36.2801, 5.0725



26.7168, 36.2801, 6.4139

Triad

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



36.6232, 36.2801, 5.0725



18.8893, 36.2801, 68.9210



54.0348, 36.2801, 85.1243

Complementary

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



36.6232, 36.2801, 5.0725



11.9978, 6.5569, 57.7595

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.



43.6252, 36.2801, 121.5425



36.6232, 36.2801, 5.0725



23.7682, 36.2801, 109.2741

Square

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



36.6232, 36.2801, 5.0725



17.7749, 36.2801, 33.7958



32.4281, 36.2801, 132.1248



59.3189, 36.2801, 45.8188

Rectangle

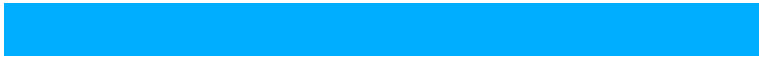
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.6232, 36.2801, 5.0725



22.0253, 36.2801, 10.4859



32.4281, 36.2801, 132.1248



50.9268, 36.2801, 98.7823

Sweetspot

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



36.6240, 36.2819, 5.0732



79.5023, 84.8466, 54.5700



25.4995, 13.0767, 4.3132



16.6352, 17.7544, 10.4532



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.



36.6240, 36.2819, 5.0732



60.4771, 59.7341, 8.3424



34.7301, 49.9580, 7.8128



11.9167, 12.6223, 11.8877



23.1267, 22.9864, 3.2179



1.2495, 1.2987, 0.1848

Inverse Universe

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



11.9978, 6.5569, 57.7595



19.7319, 10.5838, 95.6106



12.2649, 5.0639, 57.4573



10.8169, 11.2742, 14.1764



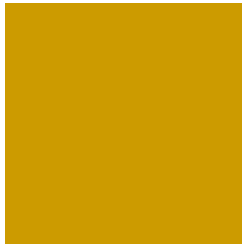
7.6124, 4.2488, 36.3752



0.4536, 0.3410, 1.8969

Previews

White Background



This preview shows how the XYZ color 36.6232, 36.2801, 5.0725 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 36.6232, 36.2801, 5.0725 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 36.6232, 36.2801, 5.0725

Background



This preview shows how black text looks on a background with the XYZ color 36.6232, 36.2801, 5.0725.



This preview shows how white text looks on a background with the XYZ color 36.6232, 36.2801,

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

36.6232, 36.2801, 5.0725

Protanopia

32.9248, 36.4089, 5.6089

Deuteranopia

37.0476, 36.2484, 5.2450



Tritanopia

43.0410, 36.3101, 35.7504

Trichromacy



Original Color

36.6232, 36.2801, 5.0725

Protanomaly

34.0950, 36.2333, 5.3977

Deuteranomaly

36.7544, 36.0991, 5.1455

Tritanomaly

39.1365, 35.6360, 16.6201

Monochromacy



Original Color

36.6232, 36.2801, 5.0725

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3435, 32.3035, 15.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6232, 36.2801, 5.0725 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, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 155, 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, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.6232, 36.2801, 5.0725 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, 155, 0) }
```


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

```
.border{ border-color:rgb(204, 155, 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, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6232, 36.2801, 5.0725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 155, 0) }
```

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

```
.background{ background-color: rgb(204,  
155, 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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