

Converting Colors

XYZ(35.8091, 35.6805, 5.0009)

Have a look what the booklet for
XYZ(35.8091, 35.6805, 5.0009)
contains.

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Color

**XYZ(35.6430, 35.5287,
4.9791)**

Conversions

Conversions Part 1

Format	Color
Hex	C99A00
RGB	201, 154, 0
RGB Percent	79%, 60%, 0%
CMY	0.2118, 0.3961, 1.0000
CMYK	0.00, 0.23, 1.00, 0.21
HSL	46°, 100%, 39%
HSV	46°, 100%, 79%
XYZ	35.6430, 35.5287, 4.9791
YIQ	150.4970, 77.4460, -37.9300

Conversions

Conversions Part 2

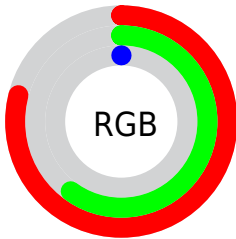
Format	Color
RYB	61, 201, 0
Decimal	13212160
CIELab	66.16, 6.43, 70.13
CIElCh	66, 70.427, 84.759
Yxy	35.5287, 0.4681, 0.4666
Android (android.graphics.Color)	4291402240 (0xFFC99A00)
YUV	150.4970, -74.1950, 44.2911
Hunter-Lab	59.6060, 2.4285, 36.7715

Details

The XYZ color **35.6430, 35.5287, 4.9791** 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 **11.5594, 6.2506, 55.8552**, and the grayscale version is **29.4854, 31.0209, 33.7818**.

A 20% lighter version of the original color is **65.0659, 66.8798, 16.1364**, and **16.0056, 15.4513, 2.1388** is the 20% darker color. If you saturate the color by 10%, you get **35.6433, 35.5295, 4.9793**, and if you desaturate by 10%, it is **36.5620, 37.1633, 5.9133**.

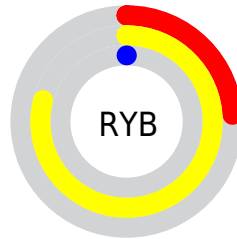
Distribution



Red (79%)

Green (60%)

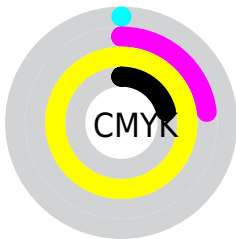
Blue (0%)



Red (24%)

Yellow (79%)

Blue (0%)

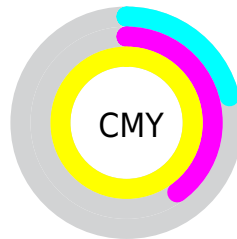


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6430, 35.5287, 4.9791 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 35.6430, 35.5287, 4.9791 by changing the saturation by 10% instead.


 35.6430, 35.5287,
4.9791


 35.6430, 35.5287,
4.9791


318.8560,
326.8959, 158.5552


 24.3274, 24.0704,
2.1765


 67.8082, 68.3040,
16.2114


 15.7027, 15.3859,
0.6607


 89.3885, 90.3898,
25.4781

 9.4036, 9.0906,
0.0000


 115.1211,
116.7869, 37.7367

 5.0645, 4.8004,
0.0000

 145.3714,
147.8798, 53.4056

 2.3203, 2.1306,
0.0000

 180.5046,
184.0527, 72.9033

 0.8050, 0.6818,
0.0000

 220.8862,

 0.0000, 0.0000,

225.6900, 96.6485

0.0000

266.8816,
273.1763, 125.0596

35.6430, 35.5287,
4.9791

35.6430, 35.5287,
4.9791

35.6433, 35.5295,
4.9793

36.5620, 37.1633,
5.9133

37.6430, 38.9105,
7.5529

38.9330, 40.7908,
10.1398

40.4565, 42.8148,
13.8012

42.2342, 44.9912,
18.6451

■ 44.2843, 47.3277,
24.7657

■ 46.6233, 49.8315,
32.2481

■ 49.2662, 52.5091,
41.1698

■ 52.2269, 55.3665,
51.6026

Harmonies

Analogous

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



46.7793, 35.5287, 8.1052



35.6430, 35.5287, 4.9791



26.0146, 35.5287, 6.3844

Triad

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



35.6430, 35.5287, 4.9791



18.5789, 35.5287, 68.2302



53.0411, 35.5287, 82.4435

Complementary

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



35.6430, 35.5287, 4.9791



11.5594, 6.2506, 55.8552

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.



42.9288, 35.5287, 118.2964



35.6430, 35.5287, 4.9791



23.4267, 35.5287, 107.5359

Square

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



35.6430, 35.5287, 4.9791



17.4171, 35.5287, 33.6497



31.9618, 35.5287, 129.2861



58.0674, 35.5287, 44.1985

Rectangle

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



35.6430, 35.5287, 4.9791



21.4766, 35.5287, 10.4756



31.9618, 35.5287, 129.2861



50.0343, 35.5287, 95.8226

Sweetspot

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



35.6438, 35.5305, 4.9798



79.6431, 85.1284, 54.6170



24.6687, 12.6502, 4.1885



16.6691, 17.8222, 10.4645



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.



35.6438, 35.5305, 4.9798



60.8397, 60.4595, 8.4632



33.6032, 48.3287, 7.5576



11.3056, 11.9803, 11.2793



22.4841, 22.4854, 3.1551



1.1172, 1.1698, 0.1669

Inverse Universe

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



11.5594, 6.2506, 55.8552



19.6462, 10.4123, 95.5821



11.8709, 4.9020, 55.5784



10.2546, 10.6833, 13.4391



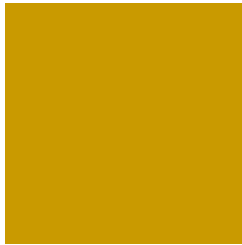
7.3270, 4.0479, 35.1395



0.4045, 0.3068, 1.6830

Previews

White Background



This preview shows how the XYZ color 35.6430, 35.5287, 4.9791 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 35.6430, 35.5287, 4.9791 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 35.6430, 35.5287, 4.9791

Background



This preview shows how black text looks on a background with the XYZ color 35.6430, 35.5287, 4.9791.



This preview shows how white text looks on a background with the XYZ color 35.6430, 35.5287,

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

35.6430, 35.5287, 4.9791

Protanopia

32.2665, 35.8077, 5.4981

Deuteranopia

36.3369, 35.6374, 5.1933



Tritanopia

41.9497, 35.5333, 35.2195

Trichromacy



Original Color

35.6430, 35.5287, 4.9791

Protanomaly

33.4173, 35.6282, 5.2880

Deuteranomaly

36.0472, 35.4899, 5.0939

Tritanomaly

38.0919, 34.8711, 16.2784

Monochromacy



Original Color

35.6430, 35.5287, 4.9791

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7017, 31.7360, 15.6265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6430, 35.5287, 4.9791 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(201, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 154, 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(201, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 154, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.6430, 35.5287, 4.9791 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(201, 154, 0) }
```


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

```
.border{ border-color:rgb(201, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 154,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6430, 35.5287, 4.9791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 154, 0) }
```

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

```
.background{ background-color: rgb(201,  
154, 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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