

# Converting Colors

XYZ(35.6733, 25.7000, 4.4380)

Have a look what the booklet for  
XYZ(35.6733, 25.7000, 4.4380)  
contains.

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# Color

**XYZ(35.6425, 25.6929,  
4.4472)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF6820
RGB	223, 104, 32
RGB Percent	87%, 41%, 13%
CMY	0.1255, 0.5921, 0.8745
CMYK	0.00, 0.53, 0.86, 0.13
HSL	23°, 75%, 50%
HSV	23°, 86%, 87%
XYZ	35.6425, 25.6929, 4.4472
YIQ	131.3730, 94.0360, 2.8360

# Conversions

## Conversions Part 2

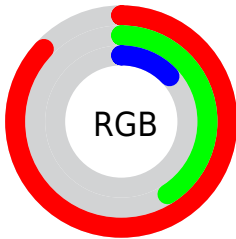
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">223, 148, 32</a>
Decimal	<a href="#">14641184</a>
<a href="#">CIELab</a>	<a href="#">57.74, 42.70, 58.27</a>
<a href="#">CIELCh</a>	<a href="#">58, 72.238, 53.767</a>
<a href="#">Yxy</a>	<a href="#">25.6929, 0.5418, 0.3906</a>
Android (android.graphics.Color)	<a href="#">4292831264</a> (0xFFDF6820)
<a href="#">YUV</a>	<a href="#">131.3730, -48.9909, 80.3569</a>
<a href="#">Hunter-Lab</a>	<a href="#">50.6882, 36.8119, 30.2798</a>

# Details

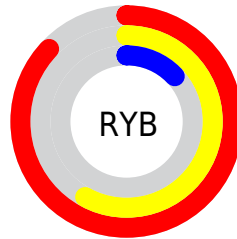
The XYZ color **35.6425, 25.6929, 4.4472** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **24.9808, 27.7664, 73.8544**, and the grayscale version is **21.8543, 22.9924, 25.0387**.

A 20% lighter version of the original color is **54.8972, 46.0140, 14.3757**, and **15.7252, 9.9296, 1.0878** is the 20% darker color. If you saturate the color by 10%, you get **34.1502, 23.0408, 2.9260**, and if you desaturate by 10%, it is **37.5710, 28.8905, 7.1237**.

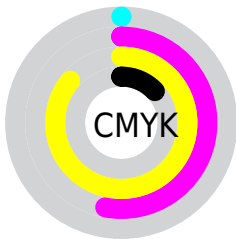
# Distribution



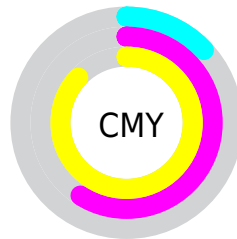
- Red (87%)
- Green (41%)
- Blue (13%)



- Red (87%)
- Yellow (58%)
- Blue (13%)



- Cyan (0%)
- Magenta (53%)
- Yellow (86%)
- Black (13%)




- Cyan (13%)
- Magenta (59%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6425, 25.6929, 4.4472 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 35.6425, 25.6929, 4.4472 by changing the saturation by 10% instead.





 35.6425, 25.6929,  
4.4472


 35.6425, 25.6929,  
4.4472


318.8538,  
281.2713, 153.0734


 24.3270, 16.5940,  
1.8737


 67.8074, 52.7791,  
15.0287

 15.7024, 9.9455,  
0.4759


 89.3876, 71.5352,  
23.8738


 9.4034, 5.3628,  
0.0000


 115.1200, 94.2792,  
35.6465

 5.0644, 2.4617,  
0.0000

 145.3701,  
121.3955, 50.7654

 2.3202, 0.8574,  
0.0000

 180.5031,  
153.2685, 69.6490

 0.8050, 0.0000,  
0.0000

 220.8845,

 0.0000, 0.0000,

190.2825, 92.7158

0.0000

266.8797,  
232.8220, 120.3844

35.6425, 25.6929,  
4.4472

35.6425, 25.6929,  
4.4472

34.1502, 23.0408,  
2.9260

37.5710, 28.8905,  
7.1237

33.6069, 22.0393,  
2.4827

39.9801, 32.6647,  
11.1457

42.9094, 37.0481,  
16.6695

46.3929, 42.0694,  
23.8295

50.4617, 47.7550,  
32.7448

■ 55.1441, 54.1298,  
43.5233

■ 60.4664, 61.2171,  
56.2642

■ 66.4534, 69.0392,  
71.0596

■ 73.1284, 77.6174,  
87.9957

# Harmonies

## Analogous

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



43.0467, 25.6929, 12.8227



35.6425, 25.6929, 4.4472



26.2730, 25.6929, 2.3059

# Triad

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



35.6425, 25.6929, 4.4472



11.3269, 25.6929, 23.1108



31.7636, 25.6929, 98.2381

# Complementary

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



35.6425, 25.6929, 4.4472



24.9808, 27.7664, 73.8544

# 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.



22.6569, 25.6929, 107.1882



35.6425, 25.6929, 4.4472



12.1324, 25.6929, 51.9281

# Square

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



35.6425, 25.6929, 4.4472



13.3020, 25.6929, 8.1965



15.8420, 25.6929, 86.7561



40.4624, 25.6929, 66.6835



# Rectangle

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



35.6425, 25.6929, 4.4472



20.6687, 25.6929, 2.5182



15.8420, 25.6929, 86.7561



28.6006, 25.6929, 104.5463

# Sweetspot

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



35.6431, 25.6943, 4.4476



74.3621, 72.8598, 58.1176



36.6949, 19.0199, 31.8601



15.4254, 14.9305, 11.2960



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.



35.6431, 25.6943, 4.4476



45.4350, 29.6501, 3.3283



50.7795, 55.9673, 9.4931



14.1285, 14.5430, 14.3692



19.8609, 13.1596, 1.4933



1.4609, 1.0806, 0.1316



# Inverse Universe

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



24.9808, 27.7664, 73.8544



30.4252, 31.9704, 99.1751



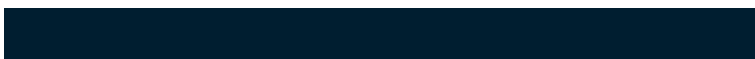
15.4014, 8.6077, 70.6613



13.6598, 14.6587, 17.4971



13.3663, 14.2022, 43.0852



1.0118, 1.1551, 3.0149



# Previews

## White Background



This preview shows how the XYZ color 35.6425, 25.6929, 4.4472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6425, 25.6929, 4.4472 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.6425, 25.6929, 4.4472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6425, 25.6929, 4.4472.



This preview shows how white text looks on a background with the XYZ color 35.6425, 25.6929,



# 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

35.6425, 25.6929, 4.4472

### Protanopia

23.4886, 25.9842, 5.8753

### Deuteranopia

26.2420, 25.7671, 4.0424



## Tritanopia

38.1374, 25.7176, 16.0506

# Trichromacy



## Original Color

35.6425, 25.6929, 4.4472

## Protanomaly

26.7616, 25.0220, 5.2530

## Deuteranomaly

29.0872, 25.3107, 4.0619

## Tritanomaly

36.9837, 25.6720, 10.2137

# Monochromacy



## Original Color

35.6425, 25.6929, 4.4472

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

24.2128, 22.3935, 13.8727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6425, 25.6929, 4.4472 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(223, 104, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 104, 32)  
}
```

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(223, 104, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 104, 32) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6425, 25.6929, 4.4472 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(223, 104, 32) }
```



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

```
.border{ border-color:rgb(223, 104, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 104, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 104, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 104, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 104,  
32) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6425, 25.6929, 4.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 104, 32) }
```

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

```
.background{ background-color: rgb(223,  
104, 32) }
```

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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