

# Converting Colors

XYZ(35.8877, 27.0386, 3.1510)

Have a look what the booklet for  
XYZ(35.8877, 27.0386, 3.1510)  
contains.

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# Color

**XYZ(35.9184, 27.1179,  
3.3412)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE7000
RGB	222, 112, 0
RGB Percent	87%, 44%, 0%
CMY	0.1294, 0.5608, 1.0000
CMYK	0.00, 0.50, 1.00, 0.13
HSL	30°, 100%, 44%
HSV	30°, 100%, 87%
XYZ	35.9184, 27.1179, 3.3412
YIQ	132.1220, 101.5120, -11.5120

# Conversions

## Conversions Part 2

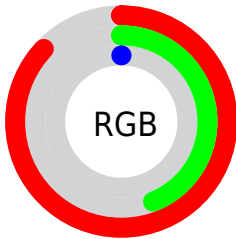
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">218, 222, 0</a>
Decimal	<a href="#">14577664</a>
CIELab	<a href="#">59.08, 37.86, 66.84</a>
CIElCh	<a href="#">59, 76.814, 60.475</a>
Yxy	<a href="#">27.1179, 0.5411, 0.4085</a>
Android (android.graphics.Color)	<a href="#">4292767744 (0xFFDE7000)</a>
YUV	<a href="#">132.1220, -65.1361, 78.8230</a>
Hunter-Lab	<a href="#">52.0748, 31.9886, 32.6483</a>

# Details

The XYZ color **35.9184, 27.1179, 3.3412** 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 **18.7608, 16.4260, 71.2885**, and the grayscale version is **22.1795, 23.3346, 25.4113**.

A 20% lighter version of the original color is **55.7385, 48.5876, 11.9095**, and **16.1659, 10.8111, 1.2347** is the 20% darker color. If you saturate the color by 10%, you get **35.9185, 27.1185, 3.3413**, and if you desaturate by 10%, it is **37.3546, 29.7558, 4.5443**.

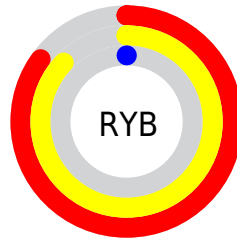
# Distribution



Red (87%)

Green (44%)

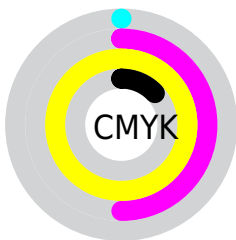
Blue (0%)



Red (85%)

Yellow (87%)

Blue (0%)

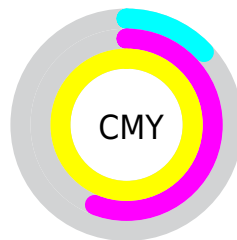


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (56%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9184, 27.1179, 3.3412 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 35.9184, 27.1179, 3.3412 by changing the saturation by 10% instead.





 35.9184, 27.1179,  
3.3412


 35.9184, 27.1179,  
3.3412


320.0412,  
288.2275, 140.5943

 24.5410, 17.6618,  
1.2714


 68.2308, 55.0730,  
12.4594


 15.8623, 10.7074,  
0.0382


 89.8965, 74.3408,  
20.3448


 9.5170, 5.8705,  
0.0000


 115.7223, 97.6479,  
31.0058

 5.1397, 2.7665,  
0.0000

 146.0737,  
125.3788, 44.8610

 2.3651, 1.0111,  
0.0000

 181.3159,  
157.9178, 62.3290


 0.8276, 0.0000,  
0.0000


 221.8143,


 0.0000, 0.0000,


195.6493, 83.8281


0.0000


 267.9343,  
238.9577, 109.7770


 35.9184, 27.1179,  
3.3412


 35.9184, 27.1179,  
3.3412


 35.9185, 27.1185,  
3.3413

 37.3546, 29.7558,  
4.5443

 39.1123, 32.7664,  
6.6864

 41.2517, 36.1827,  
10.0585

 43.8085, 40.0263,  
14.8259

 46.8134, 44.3167,  
21.1279

■ 50.2934, 49.0714,  
29.0867

■ 54.2733, 54.3069,  
38.8120

■ 58.7758, 60.0386,  
50.4041

■ 63.8221, 66.2811,  
63.9556

# Harmonies

## Analogous

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



45.0485, 27.1179, 10.0873



35.9184, 27.1179, 3.3412



25.6231, 27.1179, 1.9855

# Triad

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



35.9184, 27.1179, 3.3412



11.4337, 27.1179, 29.9642



36.2478, 27.1179, 101.9426

# Complementary

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



35.9184, 27.1179, 3.3412



18.7608, 16.4260, 71.2885

# 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.



25.9270, 27.1179, 119.4406



35.9184, 27.1179, 3.3412



12.9723, 27.1179, 65.0100

# Square

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



35.9184, 27.1179, 3.3412



12.8763, 27.1179, 10.4602



17.7469, 27.1179, 102.9402



45.2694, 27.1179, 63.7423



# Rectangle

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



35.9184, 27.1179, 3.3412



19.8733, 27.1179, 2.5864



17.7469, 27.1179, 102.9402



32.7421, 27.1179, 111.2120

# Sweetspot

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



35.9190, 27.1194, 3.3417



74.1637, 74.1695, 52.7905



32.9936, 16.6775, 16.5201



15.3618, 15.2074, 10.0287



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.



35.9190, 27.1194, 3.3417



49.0445, 36.8691, 4.5315



56.2452, 67.7717, 10.1171



14.2759, 14.8377, 14.4183



21.4465, 16.3308, 2.0218



1.5761, 1.3111, 0.1700



# Inverse Universe

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



18.7608, 16.4260, 71.2885



25.5554, 22.2308, 97.5518



13.1849, 5.2741, 69.4299



13.5102, 14.3594, 17.4473



11.2543, 9.9782, 42.3812



0.8696, 0.8707, 2.9675



# Previews

## White Background



This preview shows how the XYZ color 35.9184, 27.1179, 3.3412 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 35.9184, 27.1179, 3.3412 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 35.9184, 27.1179, 3.3412**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9184, 27.1179, 3.3412.



This preview shows how white text looks on a background with the XYZ color 35.9184, 27.1179,



# 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

35.9184, 27.1179, 3.3412

### Protanopia

24.6379, 27.2690, 4.5810

### Deuteranopia

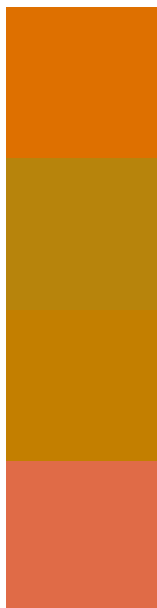
27.4864, 27.0312, 3.7689



## Tritanopia

38.8709, 27.0559, 18.2125

# Trichromacy



## Original Color

35.9184, 27.1179, 3.3412

## Protanomaly

27.8461, 26.5964, 4.0138

## Deuteranomaly

30.0950, 26.7808, 3.5830

## Tritanomaly

37.1355, 26.8176, 9.1803

# Monochromacy



## Original Color

35.9184, 27.1179, 3.3412

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

24.4509, 23.3067, 11.5974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9184, 27.1179, 3.3412 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(222, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 112, 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(222, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 112, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9184, 27.1179, 3.3412 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(222, 112, 0) }
```



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

```
.border{ border-color:rgb(222, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 112,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9184, 27.1179, 3.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 112, 0) }
```

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

```
.background{ background-color: rgb(222,  
112, 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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