

# Converting Colors

XYZ(36.3375, 25.6118, 10.9314)

Have a look what the booklet for  
XYZ(36.3375, 25.6118, 10.9314)  
contains.

<b>XYZ(36.3986, 25.6415, 11.0135)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(36.3986, 25.6415,  
11.0135)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE6652
RGB	222, 102, 82
RGB Percent	87%, 40%, 32%
CMY	0.1294, 0.6000, 0.6784
CMYK	0.00, 0.54, 0.63, 0.13
HSL	9°, 68%, 60%
HSV	9°, 63%, 87%
XYZ	36.3986, 25.6415, 11.0135
YIQ	135.6000, 77.9400, 19.2200

# Conversions

## Conversions Part 2

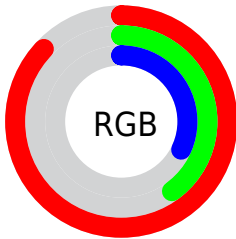
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 105, 82
Decimal	14575186
CIE <sub>Lab</sub>	57.70, 45.44, 33.87
CIE <sub>LCh</sub>	58, 56.679, 36.702
Yxy	25.6415, 0.4982, 0.3510
Android (android.graphics.Color)	4292765266 (0xFFDE6652)
YUV	135.6000, -26.4248, 75.7728
Hunter-Lab	50.6374, 39.6917, 22.5508

# Details

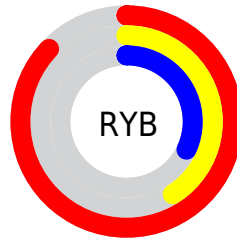
The XYZ color **36.3986, 25.6415, 11.0135** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **37.7835, 49.3058, 76.6326**, and the grayscale version is **23.3282, 24.5431, 26.7274**.

A 20% lighter version of the original color is **57.2933, 46.7029, 27.8247**, and **16.1147, 9.9011, 2.7308** is the 20% darker color. If you saturate the color by 10%, you get **34.0262, 22.0371, 6.7076**, and if you desaturate by 10%, it is **39.4746, 30.2163, 16.9020**.

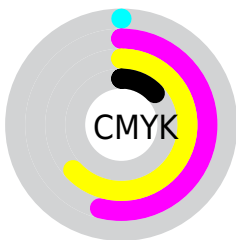
# Distribution



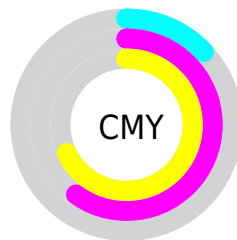
- Red (87%)
- Green (40%)
- Blue (32%)



- Red (87%)
- Yellow (41%)
- Blue (32%)



- Cyan (0%)
- Magenta (54%)
- Yellow (63%)
- Black (13%)




- Cyan (13%)
- Magenta (60%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3986, 25.6415, 11.0135 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 36.3986, 25.6415, 11.0135 by changing the saturation by 10% instead.




 36.3986, 25.6415,  
11.0135


 36.3986, 25.6415,  
11.0135


322.1003,  
281.0178, 208.5009


 24.9137, 16.5556,  
5.9616


 68.9667, 52.6960,  
28.3222

 16.1412, 9.9182,  
2.7534


 90.7807, 71.4335,  
41.4160


 9.7156, 5.3447,  
0.9701


 116.7684, 94.1569,  
58.0277

 5.2716, 2.4509,  
0.0000

 147.2951,  
121.2508, 78.5756

 2.4439, 0.8519,  
0.0000

 182.7264,  
153.0994, 103.4783

 0.8670, 0.0000,  
0.0000

223.4274,

 0.0000, 0.0000,

190.0871, 133.1544

0.0000

269.7636,  
232.5985, 168.0224

■ 36.3986, 25.6415,  
11.0135

■ 36.3986, 25.6415,  
11.0135

■ 34.0262, 22.0371,  
6.7076

■ 39.4746, 30.2163,  
16.9020

■ 32.2982, 19.3283,  
3.8286

■ 43.3031, 35.8206,  
24.5063

■ 31.1487, 17.4362,  
2.1909

■ 47.9307, 42.5139,  
33.9467

■ 30.6332, 16.5478,  
1.5795

■ 53.3995, 50.3497,  
45.3326

■ 59.7490, 59.3781,  
58.7645

■ 67.0157, 69.6462,  
74.3362

■ 75.2344, 81.1986,  
92.1356

■ 83.6881, 93.7776,  
108.2978

■ 83.9341, 94.2695,  
108.3798

# Harmonies

## Analogous

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



39.7598, 25.6415, 23.7817



36.3986, 25.6415, 11.0135



29.9039, 25.6415, 5.7427

# Triad

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



36.3986, 25.6415, 11.0135



14.2458, 25.6415, 15.5960



25.9260, 25.6415, 83.8931

# Complementary

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



36.3986, 25.6415, 11.0135



37.7835, 49.3058, 76.6326

# 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.



19.5673, 25.6415, 78.2144



36.3986, 25.6415, 11.0135



13.5753, 25.6415, 32.5108

# Square

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



36.3986, 25.6415, 11.0135



17.3765, 25.6415, 7.4001



15.3369, 25.6415, 56.7313



33.0294, 25.6415, 69.8647



# Rectangle

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



36.3986, 25.6415, 11.0135



25.1296, 25.6415, 4.7642



15.3369, 25.6415, 56.7313



23.6287, 25.6415, 84.2966

# Sweetspot

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



36.3992, 25.6429, 11.0139



76.3611, 73.5701, 68.9192



43.9607, 25.8920, 59.3890



15.8273, 15.0104, 13.6618



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.



36.3992, 25.6429, 11.0139



45.6513, 28.7263, 7.5818



46.1472, 45.1389, 14.2633



13.8645, 14.0149, 14.2812



18.2439, 9.9257, 0.9543



1.3154, 0.7897, 0.0831

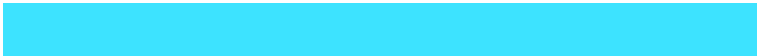


# Inverse Universe

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



37.7835, 49.3058, 76.6326



47.5395, 63.3239, 104.3249



25.0978, 23.9344, 72.4040



13.9409, 15.2209, 17.5908



18.8670, 25.2035, 44.9187



1.3541, 1.8397, 3.1290



# Previews

## White Background



This preview shows how the XYZ color 36.3986, 25.6415, 11.0135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

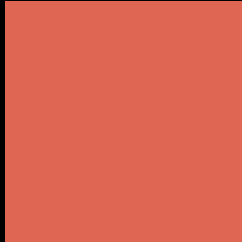
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.3986, 25.6415, 11.0135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

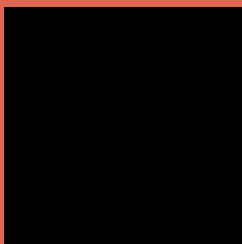
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.3986, 25.6415, 11.0135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3986, 25.6415, 11.0135.



This preview shows how white text looks on a background with the XYZ color 36.3986, 25.6415,



# 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

36.3986, 25.6415, 11.0135

### Protanopia

23.9216, 25.7938, 14.7842

### Deuteranopia

26.2696, 25.8429, 10.4411



## Tritanopia

37.4431, 25.6316, 16.3385

# Trichromacy



## Original Color

36.3986, 25.6415, 11.0135

## Protanomaly

27.2537, 24.9071, 13.2687

## Deuteranomaly

29.3209, 25.2879, 10.5434

## Tritanomaly

37.1463, 25.6654, 14.3054

# Monochromacy



## Original Color

36.3986, 25.6415, 11.0135

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

26.2964, 23.8917, 19.7486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3986, 25.6415, 11.0135 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, 102, 82)` looks like.

```
.text, #text, p{  
    color:rgb(222, 102, 82)  
}
```

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, 102, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 102, 82) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3986, 25.6415, 11.0135 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, 102, 82) }
```



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

```
.border{ border-color:rgb(222, 102, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 102, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 102, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 102, 82);  
box-shadow:4px 4px 4px 4px rgb(222, 102,  
82) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.3986, 25.6415, 11.0135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 102, 82) }
```

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

```
.background{ background-color: rgb(222,  
102, 82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor