

# Converting Colors

XYZ(37.6182, 25.8083, 16.0066)

Have a look what the booklet for  
XYZ(37.6182, 25.8083, 16.0066)  
contains.

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# Color

**XYZ(37.7963, 25.9611,  
16.1156)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E06468
RGB	224, 100, 104
RGB Percent	88%, 39%, 41%
CMY	0.1216, 0.6078, 0.5922
CMYK	0.00, 0.55, 0.54, 0.12
HSL	358°, 67%, 64%
HSV	358°, 55%, 88%
XYZ	37.7963, 25.9611, 16.1156
YIQ	137.5320, 72.6200, 27.5320

# Conversions

## Conversions Part 2

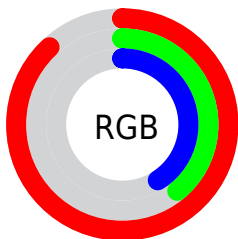
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 100, 104
Decimal	14705768
CIE <sub>Lab</sub>	58.00, 48.72, 21.79
CIE <sub>LCh</sub>	58, 53.369, 24.101
Yxy	25.9611, 0.4732, 0.3250
Android (android.graphics.Color)	4292895848 (0xFFE06468)
YUV	137.5320, -16.5313, 75.8324
Hunter-Lab	50.9520, 43.2455, 16.9136

# Details

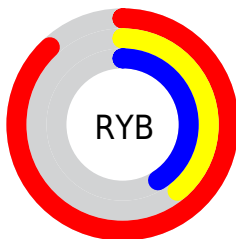
The XYZ color **37.7963, 25.9611, 16.1156** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **44.8310, 61.1884, 77.1622**, and the grayscale version is **24.0218, 25.2728, 27.5220**.

A 20% lighter version of the original color is **58.7120, 46.7378, 36.9372**, and **17.0254, 10.1419, 4.9311** is the 20% darker color. If you saturate the color by 10%, you get **34.9722, 21.8545, 10.4222**, and if you desaturate by 10%, it is **41.4952, 31.3647, 23.4973**.

# Distribution



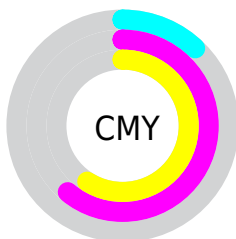
- Red (88%)
- Green (39%)
- Blue (41%)



- Red (88%)
- Yellow (39%)
- Blue (41%)



- Cyan (0%)
- Magenta (55%)
- Yellow (54%)
- Black (12%)




- Cyan (12%)
- Magenta (61%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7963, 25.9611, 16.1156 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 37.7963, 25.9611, 16.1156 by changing the saturation by 10% instead.





 37.7963, 25.9611,  
16.1156


 37.7963, 25.9611,  
16.1156

328.0413,  
282.5911, 241.8918


 26.0011, 16.7945,  
9.4508


 71.1017, 53.2122,  
37.5684

 16.9572, 10.0881,  
4.9355


 93.3427, 72.0655,  
53.1933

 10.2991, 5.4574,  
2.1514


 119.7963, 94.9165,  
72.6421

 5.6615, 2.5181,  
0.6461

 150.8279,  
122.1496, 96.3332

 2.6790, 0.8857,  
0.0000

186.8028,  
154.1493, 124.6852

 0.9864, 0.0000,  
0.0000

228.0865,

 0.0000, 0.0000,

191.2998, 158.1166

0.0000

275.0442,  
233.9856, 197.0460

■ 37.7963, 25.9611,  
16.1156

■ 37.7963, 25.9611,  
16.1156

■ 34.9722, 21.8545,  
10.4222

■ 41.4952, 31.3647,  
23.4973

■ 32.9491, 18.9325,  
6.2824

■ 46.1309, 38.1571,  
32.6849

■ 31.6445, 17.0705,  
3.5435

■ 51.7619, 46.4266,  
43.7871

■ 30.9567, 16.1146,  
2.0210

■ 58.4415, 56.2533,  
56.9037

■ 30.7798, 15.8630,  
1.6467

■ 66.2190, 67.7112,  
72.1274

■ 75.1409, 80.8697,  
89.5453

■ 84.5503, 94.5872,  
108.4086

# Harmonies

## Analogous

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



39.1599, 25.9611, 32.0721



37.7963, 25.9611, 16.1156



32.6738, 25.9611, 8.1695

# Triad

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



37.7963, 25.9611, 16.1156



15.9404, 25.9611, 12.1520



23.4240, 25.9611, 80.2695

# Complementary

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



37.7963, 25.9611, 16.1156



44.8310, 61.1884, 77.1622

# 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.



18.1018, 25.9611, 67.8379



37.7963, 25.9611, 16.1156



14.2916, 25.9611, 24.7759

# Square

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



37.7963, 25.9611, 16.1156



19.9552, 25.9611, 6.6772



15.0079, 25.9611, 45.3672



30.0864, 25.9611, 74.5852



# Rectangle

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



37.7963, 25.9611, 16.1156



28.2263, 25.9611, 6.0359



15.0079, 25.9611, 45.3672



21.4353, 25.9611, 77.9478

# Sweetspot

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



37.7969, 25.9625, 16.1161



76.7122, 72.9786, 73.0246



47.4872, 29.6924, 73.7490



16.0176, 15.0289, 14.8416



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.



37.7969, 25.9625, 16.1161



46.5610, 28.8027, 13.2582



45.2457, 41.1770, 17.6218



13.7250, 13.7076, 14.3222



17.9242, 9.2367, 1.0009



1.2488, 0.6428, 0.1031



# Inverse Universe

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



37.7969, 25.9625, 16.1161



46.5610, 28.8027, 13.2582



32.3719, 35.4137, 75.6500



13.7250, 13.7076, 14.3222



17.9242, 9.2367, 1.0009



1.2488, 0.6428, 0.1031



# Previews

## White Background



This preview shows how the XYZ color 37.7963, 25.9611, 16.1156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

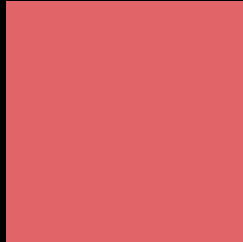
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7963, 25.9611, 16.1156 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 37.7963, 25.9611, 16.1156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7963, 25.9611, 16.1156.



This preview shows how white text looks on a background with the XYZ color 37.7963, 25.9611,



# 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

37.7963, 25.9611, 16.1156

### Protanopia

24.5995, 25.9814, 22.1307

### Deuteranopia

26.6661, 26.1475, 15.1968



## Tritanopia

37.8992, 26.0022, 16.6571

# Trichromacy



## Original Color

37.7963, 25.9611, 16.1156

## Protanomaly

27.8837, 24.9037, 19.5569

## Deuteranomaly

29.9988, 25.5305, 15.4034

## Tritanomaly

37.8474, 25.9816, 16.3848

# Monochromacy



## Original Color

37.7963, 25.9611, 16.1156

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

27.3357, 24.3567, 22.9992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7963, 25.9611, 16.1156 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(224, 100, 104)` looks like.

```
.text, #text, p{  
    color:rgb(224, 100, 104)  
}
```

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(224, 100, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 100, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7963, 25.9611, 16.1156 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(224, 100, 104) }
```



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

```
.border{ border-color:rgb(224, 100, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 100, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 100, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 100, 104);  
box-shadow:4px 4px 4px 4px rgb(224, 100,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7963, 25.9611, 16.1156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 100, 104) }
```

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

```
.background{ background-color: rgb(224,  
100, 104) }
```

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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