

# Converting Colors

XYZ(38.6575, 26.7071, 16.4768)

Have a look what the booklet for  
XYZ(38.6575, 26.7071, 16.4768)  
contains.

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# Color

**XYZ(38.6652, 26.6914,  
16.4787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E26669
RGB	226, 102, 105
RGB Percent	89%, 40%, 41%
CMY	0.1137, 0.6000, 0.5882
CMYK	0.00, 0.55, 0.54, 0.11
HSL	359°, 68%, 64%
HSV	359°, 55%, 89%
XYZ	38.6652, 26.6914, 16.4787
YIQ	139.4180, 72.9410, 27.2210

# Conversions

## Conversions Part 2

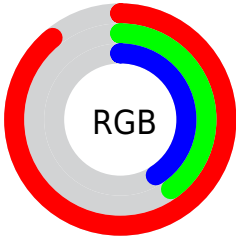
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 102, 105
Decimal	14837353
CIE <sub>Lab</sub>	58.69, 48.55, 22.19
CIE <sub>LCh</sub>	59, 53.381, 24.563
Yxy	26.6914, 0.4725, 0.3262
Android (android.graphics.Color)	4293027433 (0xFFE26669)
YUV	139.4180, -16.9681, 75.9324
Hunter-Lab	51.6637, 43.1781, 17.2534

# Details

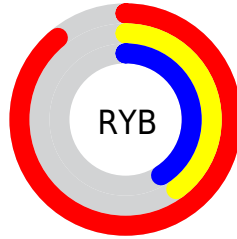
The XYZ color **38.6652, 26.6914, 16.4787** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **45.9967, 62.5458, 79.4646**, and the grayscale version is **24.7465, 26.0352, 28.3523**.

A 20% lighter version of the original color is **59.1292, 47.4372, 37.4923**, and **17.5466, 10.5264, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **35.7486, 22.4433, 10.6206**, and if you desaturate by 10%, it is **42.4823, 32.2705, 24.0873**.

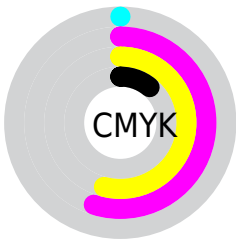
# Distribution



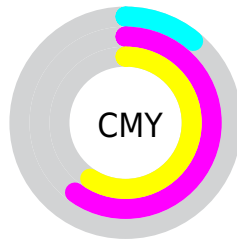
- Red (89%)
- Green (40%)
- Blue (41%)



- Red (89%)
- Yellow (40%)
- Blue (41%)



- Cyan (0%)
- Magenta (55%)
- Yellow (54%)
- Black (11%)




- Cyan (11%)
- Magenta (60%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6652, 26.6914, 16.4787 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 38.6652, 26.6914, 16.4787 by changing the saturation by 10% instead.





 38.6652, 26.6914,  
16.4787


 38.6652, 26.6914,  
16.4787

331.6967,  
286.1598, 244.0915

 26.6789, 17.3416,  
9.7055


 72.4239, 54.3883,  
38.2056

 17.4676, 10.4783,  
5.1011


 94.9271, 73.5041,  
53.9963

 10.6658, 5.7172,  
2.2469


 121.6666, 96.6441,  
73.6300

 5.9082, 2.6739,  
0.7013

 153.0078,  
124.1926, 97.5252

 2.8295, 0.9640,  
0.0000

189.3161,  
156.5340, 126.1004

 1.0642, 0.0000,  
0.0000

230.9567,

 0.0000, 0.0000,

194.0528, 159.7741

0.0000

278.2951,  
237.1332, 198.9650

■ 38.6652, 26.6914,  
16.4787

■ 38.6652, 26.6914,  
16.4787

■ 35.7486, 22.4433,  
10.6206

■ 42.4823, 32.2705,  
24.0873

■ 33.6569, 19.4117,  
6.3726

■ 47.2635, 39.2741,  
33.5693

■ 32.3054, 17.4701,  
3.5748

■ 53.0689, 47.7925,  
45.0379

■ 31.5902, 16.4620,  
2.0340

■ 59.9531, 57.9071,  
58.5972

■ 31.3938, 16.1806,  
1.6252

■ 67.9670, 69.6936,  
74.3438

■ 77.1581, 83.2228,  
92.3684

■ 85.1739, 94.9087,  
108.4378

# Harmonies

## Analogous

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



40.1203, 26.6914, 32.6235



38.6652, 26.6914, 16.4787



33.4126, 26.6914, 8.4413

# Triad

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



38.6652, 26.6914, 16.4787



16.4139, 26.6914, 12.7399



24.1922, 26.6914, 81.9322

# Complementary

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



38.6652, 26.6914, 16.4787



45.9967, 62.5458, 79.4646

# 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.



18.7332, 26.6914, 69.5745



38.6652, 26.6914, 16.4787



14.7660, 26.6914, 25.7704

# Square

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



38.6652, 26.6914, 16.4787



20.4768, 26.6914, 7.0266



15.5355, 26.6914, 46.8238



30.9852, 26.6914, 75.8850



# Rectangle

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



38.6652, 26.6914, 16.4787



28.8790, 26.6914, 6.2906



15.5355, 26.6914, 46.8238



22.1562, 26.6914, 79.6756

# Sweetspot

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



38.6659, 26.6928, 16.4792



77.6268, 74.3702, 74.6782



48.5628, 30.5037, 75.2795



16.1963, 15.3024, 15.1594



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.



38.6659, 26.6928, 16.4792



46.5021, 28.7792, 12.9480



46.3109, 42.2249, 18.2817



13.7206, 13.7059, 14.2988



17.9165, 9.2336, 0.9599



1.2467, 0.6419, 0.0918



# Inverse Universe

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



38.6659, 26.6928, 16.4792



46.5021, 28.7792, 12.9480



33.2356, 36.3719, 77.2200



13.7206, 13.7059, 14.2988



17.9165, 9.2336, 0.9599



1.2467, 0.6419, 0.0918



# Previews

## White Background



This preview shows how the XYZ color 38.6652, 26.6914, 16.4787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

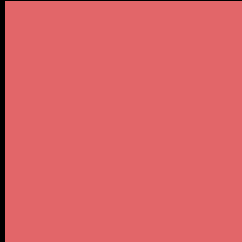
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.6652, 26.6914, 16.4787 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 38.6652, 26.6914, 16.4787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6652, 26.6914, 16.4787.



This preview shows how white text looks on a background with the XYZ color 38.6652, 26.6914,



# 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

38.6652, 26.6914, 16.4787

### Protanopia

25.3128, 26.7757, 22.5730

### Deuteranopia

27.4185, 26.9442, 15.5600



## Tritanopia

38.7245, 26.5588, 17.2727

# Trichromacy



## Original Color

38.6652, 26.6914, 16.4787

## Protanomaly

28.6463, 25.6698, 19.9679

## Deuteranomaly

30.7918, 26.3020, 15.7658

## Tritanomaly

38.6716, 26.5376, 16.9940

# Monochromacy



## Original Color

38.6652, 26.6914, 16.4787

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

28.0862, 25.1119, 23.4455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6652, 26.6914, 16.4787 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(226, 102, 105)` looks like.

```
.text, #text, p{  
    color:rgb(226, 102, 105)  
}
```

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(226, 102, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 102, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6652, 26.6914, 16.4787 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(226, 102, 105) }
```



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

```
.border{ border-color:rgb(226, 102, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 102, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 102, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 102, 105);  
box-shadow:4px 4px 4px 4px rgb(226, 102,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6652, 26.6914, 16.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 102, 105) }
```

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

```
.background{ background-color: rgb(226,  
102, 105) }
```

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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