

# Converting Colors

XYZ(40.3850, 29.8438, 20.3659)

Have a look what the booklet for  
XYZ(40.3850, 29.8438, 20.3659)  
contains.

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# Color

**XYZ(40.3126, 29.8542,  
20.4674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E07575
RGB	224, 117, 117
RGB Percent	88%, 46%, 46%
CMY	0.1216, 0.5412, 0.5412
CMYK	0.00, 0.48, 0.48, 0.12
HSL	0°, 63%, 67%
HSV	0°, 48%, 88%
XYZ	40.3126, 29.8542, 20.4674
YIQ	148.9930, 63.7720, 22.6840

# Conversions

## Conversions Part 2

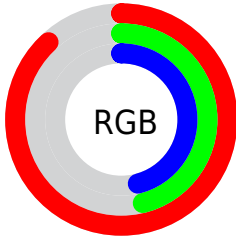
Format	Color
R <sub>Y</sub> B	224, 117, 117
Decimal	14710133
CIE Lab	61.53, 41.49, 19.10
CIE LCh	62, 45.680, 24.718
Yxy	29.8542, 0.4448, 0.3294
Android (android.graphics.Color)	4292900213 (0xFFE07575)
YUV	148.9930, -15.7725, 65.7811
Hunter-Lab	54.6390, 36.0789, 16.0377

# Details

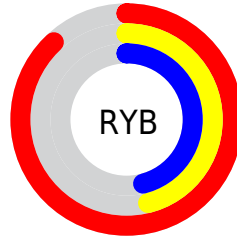
The XYZ color **40.3126, 29.8542, 20.4674** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **47.4448, 62.4718, 80.0784**, and the grayscale version is **28.6104, 30.1004, 32.7793**.

A 20% lighter version of the original color is **62.9643, 53.2504, 44.4959**, and **18.4815, 12.2096, 7.0128** is the 20% darker color. If you saturate the color by 10%, you get **36.8448, 24.7802, 13.5728**, and if you desaturate by 10%, it is **44.7213, 36.3059, 29.2307**.

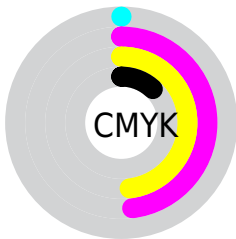
# Distribution



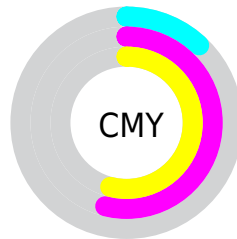
- Red (88%)
- Green (46%)
- Blue (46%)



- Red (88%)
- Yellow (46%)
- Blue (46%)



- Cyan (0%)
- Magenta (48%)
- Yellow (48%)
- Black (12%)



- Cyan (12%)
- Magenta (54%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3126, 29.8542, 20.4674 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 40.3126, 29.8542, 20.4674 by changing the saturation by 10% instead.



40.3126, 29.8542,  
20.4674

40.3126, 29.8542,  
20.4674

338.5512,  
301.2243, 267.1217

27.9677, 19.7279,  
12.5478

74.9206, 59.4315,  
45.0687

18.4416, 12.1974,  
6.9909

97.9144, 79.6514,  
62.5874

11.3691, 6.8783,  
3.3780

125.1885,  
104.0046, 84.1430

6.3848, 3.3861,  
1.2907

157.1083,  
132.8755, 110.1539

3.1233, 1.3365,  
0.0542

194.0391,  
166.6485, 141.0387

1.2193, 0.1692,  
0.0000

236.3463,

0.1215, 0.0000,

205.7081, 177.2159

0.0000

284.3952,  
250.4385, 219.1041

■ 0.0000, 0.0000,  
0.0000

■ 40.3126, 29.8542,  
20.4674

■ 40.3126, 29.8542,  
20.4674

■ 36.8448, 24.7802,  
13.5728

■ 44.7213, 36.3059,  
29.2307

■ 34.2475, 20.9796,  
8.4098

■ 50.1301, 44.2205,  
39.9830

■ 32.4443, 18.3408,  
4.8253


■ 56.5958, 53.6818,  
52.8366


■ 31.3443, 16.7311,  
2.6388

■ 64.1705, 64.7657,  
67.8949

■ 30.8221, 15.9670,  
1.6010

■ 72.9028, 77.5434,  
85.2544

 30.7405, 15.8475,  
1.4387

 82.8383, 92.0817,  
105.0059

 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.



41.6112, 29.8542, 35.6716



40.3126, 29.8542, 20.4674



35.6414, 29.8542, 12.1851

# Triad

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



40.3126, 29.8542, 20.4674



19.8971, 29.8542, 16.8067



27.3177, 29.8542, 78.2634

# Complementary

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



40.3126, 29.8542, 20.4674



47.4448, 62.4718, 80.0784

# 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.



22.1710, 29.8542, 68.0054



40.3126, 29.8542, 20.4674



18.2941, 29.8542, 29.5337

# Square

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



40.3126, 29.8542, 20.4674



23.7826, 29.8542, 10.6587



19.0635, 29.8542, 48.5275



33.5247, 29.8542, 73.1483



# Rectangle

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



40.3126, 29.8542, 20.4674



31.5544, 29.8542, 9.7918



19.0635, 29.8542, 48.5275



25.4177, 29.8542, 76.4155

# Sweetspot

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



40.3134, 29.8557, 20.4679



79.4761, 77.2110, 77.9395



50.5562, 33.9519, 74.4095



16.5556, 15.8598, 15.7767



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.



40.3134, 29.8557, 20.4679



49.5745, 33.4563, 18.4970



48.4200, 46.0690, 23.1702



13.7073, 13.7007, 14.2288



17.8933, 9.2245, 0.8374



1.2403, 0.6394, 0.0581



# Inverse Universe

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



47.4448, 62.4718, 80.0784



60.1945, 82.0277, 107.2681



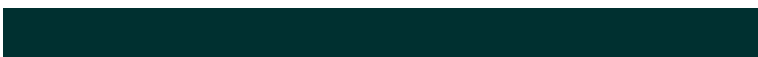
35.2595, 38.1012, 76.0166



14.1166, 15.5723, 17.6494



23.3452, 34.1601, 46.4115



1.6182, 2.3678, 3.2170



# Previews

## White Background



This preview shows how the XYZ color 40.3126, 29.8542, 20.4674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

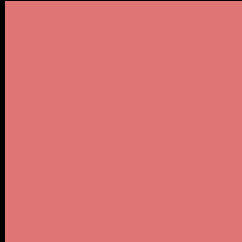
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3126, 29.8542, 20.4674 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 40.3126, 29.8542, 20.4674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3126, 29.8542, 20.4674.



This preview shows how white text looks on a background with the XYZ color 40.3126, 29.8542,



# 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

40.3126, 29.8542, 20.4674

### Protanopia

28.6226, 30.2288, 26.1560

### Deuteranopia

30.4823, 29.9511, 19.7973



## Tritanopia

40.9348, 29.9536, 22.6929

# Trichromacy



## Original Color

40.3126, 29.8542, 20.4674

## Protanomaly

31.8325, 29.2474, 24.0462

## Deuteranomaly

33.5547, 29.6026, 19.8649

## Tritanomaly

40.7479, 29.8788, 21.7087

# Monochromacy



## Original Color

40.3126, 29.8542, 20.4674

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

31.3655, 28.9276, 27.5973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3126, 29.8542, 20.4674 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, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(224, 117, 117)  
}
```

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, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 117, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3126, 29.8542, 20.4674 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, 117, 117) }
```



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

```
.border{ border-color:rgb(224, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(224, 117,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3126, 29.8542, 20.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 117, 117) }
```

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

```
.background{ background-color: rgb(224,  
117, 117) }
```

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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