

# Converting Colors

XYZ(40.3284, 29.2481, 19.2237)

Have a look what the booklet for  
XYZ(40.3284, 29.2481, 19.2237)  
contains.

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# Color

**XYZ(40.2498, 29.1713,  
19.1320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E27171
RGB	226, 113, 113
RGB Percent	89%, 44%, 44%
CMY	0.1137, 0.5568, 0.5569
CMYK	0.00, 0.50, 0.50, 0.11
HSL	0°, 66%, 66%
HSV	0°, 50%, 89%
XYZ	40.2498, 29.1713, 19.1320
YIQ	146.7870, 67.3480, 23.9560

# Conversions

## Conversions Part 2

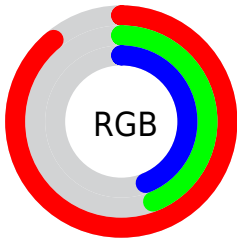
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 113, 113
Decimal	14840177
CIE Lab	60.93, 43.87, 20.62
CIE LCh	61, 48.473, 25.178
Yxy	29.1713, 0.4545, 0.3294
Android (android.graphics.Color)	4293030257 (0xFFE27171)
YUV	146.7870, -16.6570, 69.4698
Hunter-Lab	54.0105, 38.5039, 16.8052

# Details

The XYZ color **40.2498, 29.1713, 19.1320** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **47.7321, 63.3908, 81.6711**, and the grayscale version is **27.6932, 29.1354, 31.7285**.

A 20% lighter version of the original color is **61.8502, 51.6140, 42.3000**, and **18.3488, 11.8261, 6.3166** is the 20% darker color. If you saturate the color by 10%, you get **36.9172, 24.2952, 12.5063**, and if you desaturate by 10%, it is **44.5283, 35.4324, 27.6363**.

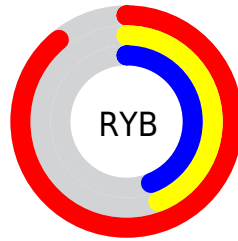
# Distribution



Red (89%)

Green (44%)

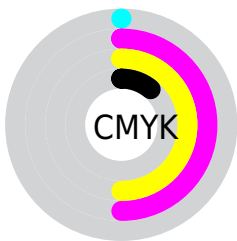
Blue (44%)



Red (89%)

Yellow (44%)

Blue (44%)

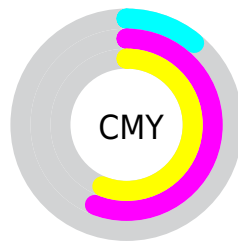


Cyan (0%)

Magenta (50%)

Yellow (50%)

Black (11%)



Cyan (11%)

Magenta (56%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2498, 29.1713, 19.1320 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 40.2498, 29.1713, 19.1320 by changing the saturation by 10% instead.





 40.2498, 29.1713,  
19.1320


 40.2498, 29.1713,  
19.1320


338.2917,  
298.0223, 259.6235

 27.9184, 19.2104,  
11.5879


 74.8257, 58.3491,  
42.7967


 18.4043, 11.8224,  
6.3446


 97.8009, 78.3349,  
59.7544

 11.3421, 6.6229,  
2.9836


 125.0548,  
102.4311, 80.6870

 6.3664, 3.2274,  
1.0863

 156.9527,  
131.0221, 106.0132

 3.1119, 1.2516,  
0.0000

193.8600,  
164.4924, 136.1514

 1.2132, 0.1032,  
0.0000

236.1420,

 0.1168, 0.0000,

203.2262, 171.5201

0.0000

284.1641,  
247.6081, 212.5380

■ 0.0000, 0.0000,  
0.0000

■ 40.2498, 29.1713,  
19.1320

■ 40.2498, 29.1713,  
19.1320

■ 36.9172, 24.2952,  
12.5063

■ 44.5283, 35.4324,  
27.6363

■ 34.4569, 20.6949,  
7.6155

■ 49.8146, 43.1678,  
38.1452

■ 32.7879, 18.2526,  
4.2980


■ 56.1679, 52.4645,  
50.7753


■ 31.8134, 16.8265,  
2.3609


■ 63.6422, 63.4016,  
65.6340

■ 31.3641, 16.1690,  
1.4679

■ 72.2880, 76.0528,  
82.8217

 31.3641, 16.1690,  
1.4679

 82.1525, 90.4873,  
102.4322

 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.



41.6926, 29.1713, 34.7804



40.2498, 29.1713, 19.1320



35.2651, 29.1713, 10.8946

# Triad

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



40.2498, 29.1713, 19.1320



18.8948, 29.1713, 15.7392



26.7169, 29.1713, 80.6301

# Complementary

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



40.2498, 29.1713, 19.1320



47.7321, 63.3908, 81.6711

# 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.



21.3469, 29.1713, 69.7824



40.2498, 29.1713, 19.1320



17.2898, 29.1713, 28.9246

# Square

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



40.2498, 29.1713, 19.1320



22.8687, 29.1713, 9.5224



18.1143, 29.1713, 48.9996



33.2276, 29.1713, 74.8468



# Rectangle

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



40.2498, 29.1713, 19.1320



30.9546, 29.1713, 8.5915



18.1143, 29.1713, 48.9996



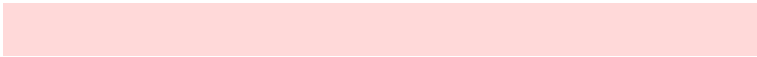
24.7309, 29.1713, 78.7187

# Sweetspot

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



40.2505, 29.1728, 19.1325



78.4809, 75.7548, 75.9610



50.9966, 33.4701, 75.7238



16.3598, 15.5732, 15.3873



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.



40.2505, 29.1728, 19.1325



48.3905, 31.7237, 16.1432



48.6258, 45.9234, 21.9243



13.7074, 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.



47.7321, 63.3908, 81.6711



59.2868, 81.5593, 107.2255



34.8188, 37.5642, 77.3667



14.1166, 15.5722, 17.6494



23.3451, 34.1598, 46.4114



1.6182, 2.3678, 3.2170



# Previews

## White Background



This preview shows how the XYZ color 40.2498, 29.1713, 19.1320 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 40.2498, 29.1713, 19.1320 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 40.2498, 29.1713, 19.1320**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2498, 29.1713, 19.1320.



This preview shows how white text looks on a background with the XYZ color 40.2498, 29.1713,



# 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**

40.2498, 29.1713, 19.1320

**Protanopia**

27.7226, 29.3224, 24.9675

**Deuteranopia**

29.6872, 29.1311, 18.2455



## Tritanopia

40.5484, 29.1132, 21.2516

# Trichromacy



## Original Color

40.2498, 29.1713, 19.1320

## Protanomaly

31.0615, 28.4613, 22.5954

## Deuteranomaly

32.9231, 28.6958, 18.5555

## Tritanomaly

40.3691, 29.0414, 20.3075

# Monochromacy



## Original Color

40.2498, 29.1713, 19.1320

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

30.9416, 28.3073, 26.7547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2498, 29.1713, 19.1320 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, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(226, 113, 113)  
}
```

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, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 113, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2498, 29.1713, 19.1320 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, 113, 113) }
```



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

```
.border{ border-color:rgb(226, 113, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 113, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 113, 113); box-shadow:4px 4px 4px 4px rgb(226, 113, 113) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2498, 29.1713, 19.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 113, 113) }
```

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

```
.background{ background-color: rgb(226,  
113, 113) }
```

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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