

Converting Colors

XYZ(40.6466, 29.8862, 20.1958)

Have a look what the booklet for
XYZ(40.6466, 29.8862, 20.1958)
contains.

XYZ(40.7618, 29.9205, 20.1498)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7618, 29.9205,
20.1498)**

Conversions

Conversions Part 1

Format	Color
Hex	E27474
RGB	226, 116, 116
RGB Percent	89%, 45%, 45%
CMY	0.1137, 0.5451, 0.5451
CMYK	0.00, 0.49, 0.49, 0.11
HSL	0°, 65%, 67%
HSV	0°, 49%, 89%
XYZ	40.7618, 29.9205, 20.1498
YIQ	148.8900, 65.5600, 23.3200

Conversions

Conversions Part 2

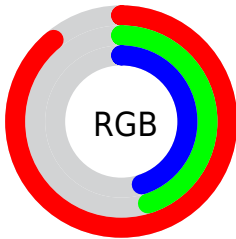
Format	Color
R _Y B	226, 116, 116
Decimal	14840948
CIE Lab	61.59, 42.64, 19.80
CIE LCh	62, 47.009, 24.904
Yxy	29.9205, 0.4488, 0.3294
Android (android.graphics.Color)	4293031028 (0xFFE27474)
YUV	148.8900, -16.2148, 67.6255
Hunter-Lab	54.6996, 37.2926, 16.4490

Details

The XYZ color **40.7618, 29.9205, 20.1498** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **48.1246, 63.5932, 81.6896**, and the grayscale version is **28.5684, 30.0562, 32.7312**.

A 20% lighter version of the original color is **62.6826, 52.8366, 43.9405**, and **18.8131, 12.2996, 6.8513** is the 20% darker color. If you saturate the color by 10%, you get **37.3078, 24.8667, 13.2827**, and if you desaturate by 10%, it is **45.1706, 36.3724, 28.9132**.

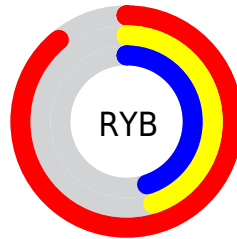
Distribution



Red (89%)

Green (45%)

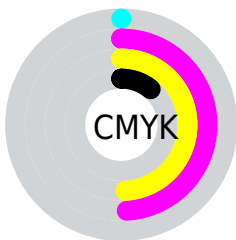
Blue (45%)



Red (89%)

Yellow (45%)

Blue (45%)

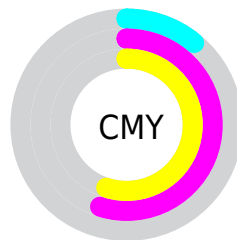


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (11%)



Cyan (11%)


Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7618, 29.9205, 20.1498 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 40.7618, 29.9205, 20.1498 by changing the saturation by 10% instead.


 40.7618, 29.9205,
20.1498


 40.7618, 29.9205,
20.1498

340.4037,
301.5337, 265.3559

 28.3199, 19.7783,
12.3188


 75.5992, 59.5364,
44.5305

 18.7086, 12.2340,
6.8360


 98.7253, 79.7789,
61.9172

 11.5627, 6.9032,
3.2829


 126.1435,
104.1569, 83.3263

 6.5167, 3.4016,
1.2408

158.2192,
133.0548, 109.1763

 3.2054, 1.3448,
0.0125

195.3177,
166.8571, 139.8857

 1.2633, 0.1755,
0.0000

237.8044,

 0.1555, 0.0000,

205.9481, 175.8731

0.0000

286.0446,
250.7121, 217.5570

■ 0.0000, 0.0000,
0.0000

■ 40.7618, 29.9205,
20.1498

■ 40.7618, 29.9205,
20.1498

■ 37.3078, 24.8667,
13.2827

■ 45.1706, 36.3724,
28.9132

■ 34.7360, 21.1034,
8.1703

■ 50.5953, 44.3102,
39.6972

■ 32.9672, 18.5150,
4.6543


■ 57.0944, 53.8202,
52.6171

■ 31.9068, 16.9632,
2.5466


■ 64.7214, 64.9807,
67.7794

■ 31.4131, 16.2407,
1.5653

■ 73.5263, 77.8647,
85.2833

 31.3641, 16.1690,
1.4679

 83.5560, 92.5410,
105.2223

 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.



42.1343, 29.9205, 35.7251



40.7618, 29.9205, 20.1498



35.9059, 29.9205, 11.7823

Triad

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



40.7618, 29.9205, 20.1498



19.7115, 29.9205, 16.5524



27.3866, 29.9205, 80.1605

Complementary

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



40.7618, 29.9205, 20.1498



48.1246, 63.5932, 81.6896

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.



22.0857, 29.9205, 69.5346



40.7618, 29.9205, 20.1498



18.0877, 29.9205, 29.6220

Square

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



40.7618, 29.9205, 20.1498



23.6814, 29.9205, 10.3006



18.8890, 29.9205, 49.2876



33.7935, 29.9205, 74.7152

Rectangle

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



40.7618, 29.9205, 20.1498



31.6775, 29.9205, 9.3962



18.8890, 29.9205, 49.2876



25.4282, 29.9205, 78.2630

Sweetspot

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



40.7626, 29.9221, 20.1503



78.4809, 75.7548, 75.9610



51.3368, 34.1506, 75.8373



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.



40.7626, 29.9221, 20.1503



49.1681, 32.8616, 17.6890



49.0793, 46.5556, 22.9226



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.



48.1246, 63.5932, 81.6896



59.8828, 81.8667, 107.2534



35.4929, 38.3299, 77.4790



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 40.7618, 29.9205, 20.1498 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 40.7618, 29.9205, 20.1498 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 40.7618, 29.9205, 20.1498

Background



This preview shows how black text looks on a background with the XYZ color 40.7618, 29.9205, 20.1498.



This preview shows how white text looks on a background with the XYZ color 40.7618, 29.9205,

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

40.7618, 29.9205, 20.1498

Protanopia

28.6226, 30.2288, 26.1560

Deuteranopia

30.5962, 30.0227, 19.2213



Tritanopia

41.3844, 30.0224, 22.3526

Trichromacy



Original Color

40.7618, 29.9205, 20.1498

Protanomaly

31.7676, 29.2214, 23.7046

Deuteranomaly

33.6163, 29.4366, 19.5329

Tritanomaly

41.1995, 29.9484, 21.3785

Monochromacy



Original Color

40.7618, 29.9205, 20.1498

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.5925, 29.0446, 27.6080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7618, 29.9205, 20.1498 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, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(226, 116, 116)  
}
```

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, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 116, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.7618, 29.9205, 20.1498 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, 116, 116) }
```


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

```
.border{ border-color:rgb(226, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(226, 116,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7618, 29.9205, 20.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 116, 116) }
```

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

```
.background{ background-color: rgb(226,  
116, 116) }
```

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