

# Converting Colors

XYZ(40.4454, 29.2481, 19.1131)

Have a look what the booklet for  
XYZ(40.4454, 29.2481, 19.1131)  
contains.

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# Color

**XYZ(40.5643, 29.3334,  
19.1467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E37171
RGB	227, 113, 113
RGB Percent	89%, 44%, 44%
CMY	0.1098, 0.5568, 0.5569
CMYK	0.00, 0.50, 0.50, 0.11
HSL	0°, 67%, 67%
HSV	0°, 50%, 89%
XYZ	40.5643, 29.3334, 19.1467
YIQ	147.0860, 67.9440, 24.1680

# Conversions

## Conversions Part 2

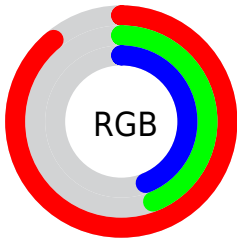
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 113, 113
Decimal	14905713
CIE Lab	61.07, 44.23, 20.84
CIE LCh	61, 48.893, 25.227
Yxy	29.3334, 0.4556, 0.3294
Android (android.graphics.Color)	4293095793 (0xFFE37171)
YUV	147.0860, -16.8044, 70.0846
Hunter-Lab	54.1603, 38.9101, 16.9521

# Details

The XYZ color **40.5643, 29.3334, 19.1467** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **48.1425, 63.9913, 82.4870**, and the grayscale version is **27.8173, 29.2659, 31.8706**.

A 20% lighter version of the original color is **61.8502, 51.6140, 42.3000**, and **18.5592, 11.9346, 6.3265** is the 20% darker color. If you saturate the color by 10%, you get **37.2190, 24.4386, 12.4956**, and if you desaturate by 10%, it is **44.8639, 35.6255, 27.6930**.

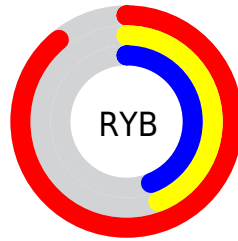
# Distribution



Red (89%)

Green (44%)

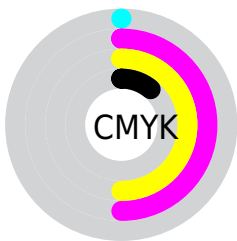
Blue (44%)



Red (89%)

Yellow (44%)

Blue (44%)

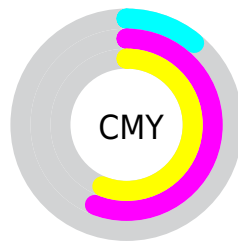


Cyan (0%)

Magenta (50%)

Yellow (50%)

Black (11%)



Cyan (11%)

Magenta (56%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5643, 29.3334, 19.1467 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 40.5643, 29.3334, 19.1467 by changing the saturation by 10% instead.





 40.5643, 29.3334,  
19.1467


 40.5643, 29.3334,  
19.1467

339.5901,  
298.7848, 259.7071

 28.1650, 19.3332,  
11.5984


 75.3009, 58.6064,  
42.8218


 18.5911, 11.9113,  
6.3517


 98.3689, 78.6479,  
59.7858

 11.4775, 6.6833,  
2.9879


 125.7239,  
102.8054, 80.7254

 6.4586, 3.2648,  
1.0884

 157.7311,  
131.4631, 106.0592

 3.1692, 1.2715,  
0.0000

194.7560,  
165.0055, 136.2057

 1.2439, 0.1190,  
0.0000

237.1639,

 0.1406, 0.0000,

203.8170, 171.5835

0.0000

285.3201,  
248.2820, 212.6111

■ 0.0000, 0.0000,  
0.0000

■ 40.5643, 29.3334,  
19.1467

■ 40.5643, 29.3334,  
19.1467

■ 37.2190, 24.4386,  
12.4956

■ 44.8639, 35.6255,  
27.6930

■ 34.7533, 20.8305,  
7.5942

■ 50.1805, 43.4052,  
38.2622

■ 33.0852, 18.3895,  
4.2784

■ 56.5741, 52.7609,  
50.9724

■ 32.1162, 16.9715,  
2.3524

■ 64.0994, 63.7725,  
65.9324

■ 31.6786, 16.3311,  
1.4826

■ 72.8074, 76.5148,  
83.2437

■ 82.7460, 91.0576,  
103.0014

■ 85.4884, 95.0708,  
108.4525

# Harmonies

## Analogous

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



42.0343, 29.3334, 34.9630



40.5643, 29.3334, 19.1467



35.5067, 29.3334, 10.8512

# Triad

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



40.5643, 29.3334, 19.1467



18.9423, 29.3334, 15.7570



26.8688, 29.3334, 81.5255

# Complementary

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



40.5643, 29.3334, 19.1467



48.1425, 63.9913, 82.4870

# 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.



21.4329, 29.3334, 70.5304



40.5643, 29.3334, 19.1467



17.3248, 29.3334, 29.0947

# Square

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



40.5643, 29.3334, 19.1467



22.9563, 29.3334, 9.4847



18.1617, 29.3334, 49.4438



33.4629, 29.3334, 75.6224



# Rectangle

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



40.5643, 29.3334, 19.1467



31.1385, 29.3334, 8.5400



18.1617, 29.3334, 49.4438



24.8581, 29.3334, 79.5928

# Sweetspot

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



40.5650, 29.3349, 19.1472



78.4809, 75.7548, 75.9610



51.4487, 33.6873, 76.4634



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.



40.5650, 29.3349, 19.1472



48.3905, 31.7237, 16.1432



49.0339, 46.2726, 21.9702



14.3771, 14.3681, 14.9200



18.4751, 9.5244, 0.8647



1.3653, 0.7039, 0.0639



# Inverse Universe

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



48.1425, 63.9913, 82.4870



59.2868, 81.5594, 107.2255



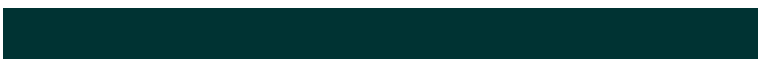
35.0500, 37.8063, 78.1228



14.8074, 16.3363, 18.5171



24.1043, 35.2707, 47.9207



1.7812, 2.6064, 3.5412



# Previews

## White Background



This preview shows how the XYZ color 40.5643, 29.3334, 19.1467 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 40.5643, 29.3334, 19.1467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

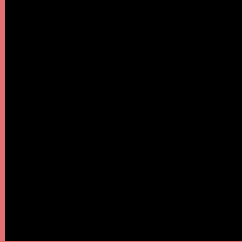
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.5643, 29.3334, 19.1467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5643, 29.3334, 19.1467.



This preview shows how white text looks on a background with the XYZ color 40.5643, 29.3334,



# 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

40.5643, 29.3334, 19.1467

### Protanopia

27.9137, 29.4210, 24.9765

### Deuteranopia

30.0590, 29.5427, 18.3054



## Tritanopia

40.8629, 29.2753, 21.2663

# Trichromacy



## Original Color

40.5643, 29.3334, 19.1467

## Protanomaly

31.2952, 28.5818, 22.6063

## Deuteranomaly

33.1789, 28.8277, 18.5674

## Tritanomaly

40.6836, 29.2036, 20.3222

# Monochromacy



## Original Color

40.5643, 29.3334, 19.1467

## 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 40.5643, 29.3334, 19.1467 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(227, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 113, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5643, 29.3334, 19.1467 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(227, 113, 113) }
```



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

```
.border{ border-color:rgb(227, 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(227, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 113, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 113, 113);  
box-shadow:4px 4px 4px 4px rgb(227, 113,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5643, 29.3334, 19.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 113, 113) }
```

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

```
.background{ background-color: rgb(227,  
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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