

Converting Colors

$Y_{xy}(28.7908, 0.4509, 0.3203)$

Have a look what the booklet for
Yxy(28.7908, 0.4509, 0.3203)
contains.

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Color

Yxy(28.7908, 0.4509, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	E36E76
RGB	227, 110, 118
RGB Percent	89%, 43%, 46%
CMY	0.1097, 0.5687, 0.5372
CMYK	0.00, 0.52, 0.48, 0.11
HSL	356°, 68%, 66%
HSV	356°, 52%, 89%
XYZ	40.5300, 28.7908, 20.5661
YIQ	145.8950, 67.1640, 27.2920

Conversions

Conversions Part 2

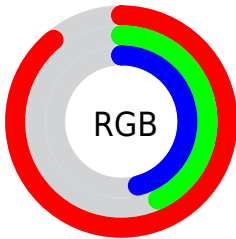
Format	Color
R _Y B	227, 110, 118
Decimal	14904950
CIE Lab	60.60, 46.18, 17.31
CIE LCh	61, 49.322, 20.547
Yxy	28.7908, 0.4509, 0.3203
Android (android.graphics.Color)	4293095030 (0xFFE36E76)
YUV	145.8950, -13.7522, 71.1291
Hunter-Lab	53.6571, 40.9307, 14.8348

Details

The Yxy color **28.7908, 0.4509, 0.3203** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **63.3773, 0.2499, 0.3392**, and the grayscale version is **28.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7132, 0.3933, 0.3229**, and **11.5839, 0.4982, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **24.0580, 0.4950, 0.3196**, and if you desaturate by 10%, it is **34.8939, 0.4121, 0.3217**.

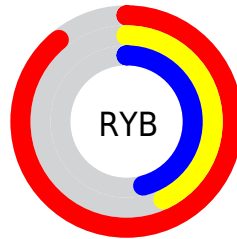
Distribution



Red (89%)

Green (43%)

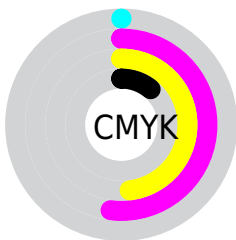
Blue (46%)



Red (89%)

Yellow (43%)

Blue (46%)

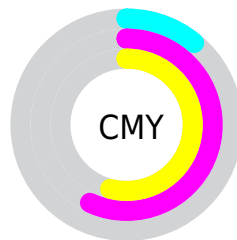


Cyan (0%)

Magenta (52%)

Yellow (48%)

Black (11%)



Cyan (11%)

Magenta (57%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7908, 0.4509, 0.3203 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 Yxy color 28.7908, 0.4509, 0.3203 by changing the saturation by 10% instead.

 28.7908, 0.4509,
0.3203


 28.7908, 0.4509,
0.3203

296.2266, 0.3758,
0.3279

 18.9226, 0.4715,
0.3171


 57.7445, 0.4222,
0.3240

 11.6144, 0.4989,
0.3120


 77.5989, 0.4118,
0.3251

 6.4817, 0.5368,
0.3036


 101.5508, 0.4032,
0.3259

 3.1401, 0.5919,
0.2882

 129.9845, 0.3960,
0.3265

 1.2053, 0.7131,
0.2718

163.2846, 0.3898,
0.3270

 0.0660, 0.9495,
0.0505

201.8354, 0.3845,

 0.0000, 1.0000,

0.3274

0.0000


246.0213, 0.3799,
0.3277

 0.0000, 0.0000,
0.0000

 28.7908, 0.4509,
0.3203


 28.7908, 0.4509,
0.3203


 24.0580, 0.4950,
0.3196


 34.8939, 0.4121,
0.3217


 20.5854, 0.5415,
0.3199


 42.4571, 0.3797,
0.3234

 18.2537, 0.5845,
0.3215

 51.5680, 0.3533,
0.3253

 16.9183, 0.6174,
0.3244

 62.3059, 0.3320,
0.3271

 16.3702, 0.6342,
0.3267

 74.7449, 0.3150,
0.3288

■ 88.9543, 0.3014,
0.3303

■ 95.0741, 0.2958,
0.3290

Harmonies

Analogous

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



28.7908, 0.3841, 0.2676



28.7908, 0.4509, 0.3203



28.7908, 0.4726, 0.3788

Triad

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



28.7908, 0.4509, 0.3203



28.7908, 0.3073, 0.4671



28.7908, 0.1888, 0.2140

Complementary

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



28.7908, 0.4509, 0.3203



63.3773, 0.2499, 0.3392

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.



28.7908, 0.1747, 0.2479



28.7908, 0.4509, 0.3203



28.7908, 0.2366, 0.4017

Square

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



28.7908, 0.4509, 0.3203



28.7908, 0.3836, 0.4744



28.7908, 0.1902, 0.3144



28.7908, 0.2315, 0.2090

Rectangle

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



28.7908, 0.4509, 0.3203



28.7908, 0.4590, 0.4174



28.7908, 0.1902, 0.3144



28.7908, 0.1809, 0.2219

Sweetspot

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



28.7923, 0.4509, 0.3203



75.8911, 0.3390, 0.3264



31.4896, 0.3089, 0.2020



15.6054, 0.3435, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.7923, 0.4509, 0.3203



30.8682, 0.4989, 0.3195



42.1709, 0.4281, 0.3853



14.3839, 0.3282, 0.3274



9.5514, 0.6325, 0.3258



0.7115, 0.6124, 0.3147

Inverse Universe

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



28.7923, 0.4509, 0.3203



30.8682, 0.4989, 0.3195



40.8048, 0.2329, 0.2620



14.3839, 0.3282, 0.3274



9.5514, 0.6325, 0.3258



0.7115, 0.6124, 0.3147

Previews

White Background



This preview shows how the Yxy color 28.7908, 0.4509, 0.3203 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 Yxy color 28.7908, 0.4509, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

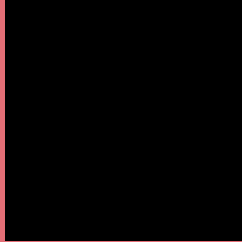
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7908, 0.4509, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 28.7908, 0.4509, 0.3203.



This preview shows how white text looks on a background with the Yxy color 28.7908, 0.4509, 0.3203.

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

28.7908, 0.4509, 0.3203

Protanopia

29.0107, 0.3290, 0.3449

Deuteranopia

29.0127, 0.3775, 0.3710



Tritanopia

28.7908, 0.4509, 0.3203

Trichromacy



Original Color

28.7908, 0.4509, 0.3203

Protanomaly

27.9437, 0.3709, 0.3350

Deuteranomaly

28.4095, 0.4041, 0.3499

Tritanomaly

28.7908, 0.4509, 0.3203

Monochromacy



Original Color

28.7908, 0.4509, 0.3203

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.6666, 0.3581, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7908, 0.4509, 0.3203 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, 110, 118)` looks like.

```
.text, #text, p{  
    color:rgb(227, 110, 118)  
}
```

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, 110, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 110, 118) }
```

Border

The CSS property to change the border of an element to Yxy 28.7908, 0.4509, 0.3203 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, 110, 118) }
```

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

```
.border{ border-color:rgb(227, 110, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 110, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 110, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 110, 118);  
box-shadow:4px 4px 4px 4px rgb(227, 110,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7908, 0.4509, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 110, 118) }
```

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

```
.background{ background-color: rgb(227,  
110, 118) }
```

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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