

Converting Colors

$Y_{xy}(29.7368, 0.4477, 0.3220)$

Have a look what the booklet for
Yxy(29.7368, 0.4477, 0.3220)
contains.

Yxy(29.6603, 0.4475, 0.3215)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6603, 0.4475, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	E47178
RGB	228, 113, 120
RGB Percent	89%, 44%, 47%
CMY	0.1060, 0.5568, 0.5295
CMYK	0.00, 0.50, 0.47, 0.11
HSL	356°, 68%, 67%
HSV	356°, 50%, 89%
XYZ	41.2846, 29.6603, 21.3111
YIQ	148.1830, 66.2930, 26.5570

Conversions

Conversions Part 2

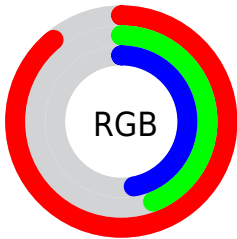
Format	Color
R _Y B	228, 113, 120
Decimal	14971256
CIE Lab	61.36, 45.21, 17.26
CIE LCh	61, 48.396, 20.891
Yxy	29.6603, 0.4475, 0.3215
Android (android.graphics.Color)	4293161336 (0xFFE47178)
YUV	148.1830, -13.8942, 69.9995
Hunter-Lab	54.4613, 40.0053, 14.9222

Details

The Yxy color **29.6603, 0.4475, 0.3215** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **64.2102, 0.2504, 0.3377**, and the grayscale version is **29.7349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8760, 0.3903, 0.3240**, and **12.0244, 0.4929, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **24.7337, 0.4915, 0.3208**, and if you desaturate by 10%, it is **35.9838, 0.4091, 0.3228**.

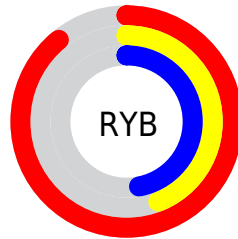
Distribution



Red (89%)

Green (44%)

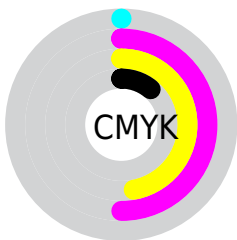
Blue (47%)



Red (89%)

Yellow (44%)

Blue (47%)

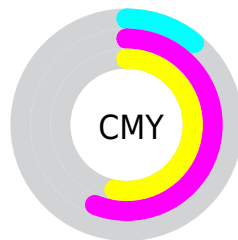


Cyan (0%)

Magenta (50%)

Yellow (47%)

Black (11%)



Cyan (11%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6603, 0.4475, 0.3215 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 29.6603, 0.4475, 0.3215 by changing the saturation by 10% instead.

 29.6603, 0.4475,
0.3215


 29.6603, 0.4475,
0.3215


300.3178, 0.3745,
0.3283

 19.5809, 0.4674,
0.3185


 59.1245, 0.4197,
0.3249

 12.0908, 0.4938,
0.3139


 79.2782, 0.4096,
0.3258

 6.8055, 0.5303,
0.3062


 103.5587, 0.4013,
0.3266

 3.3408, 0.5832,
0.2920

132.3504, 0.3942,
0.3271

 1.3121, 0.6912,
0.2747

166.0378, 0.3882,
0.3275

 0.1506, 0.8973,
0.1027

205.0052, 0.3830,


 0.0000, 1.0000,

0.3279


0.0000


249.6371, 0.3785,
0.3281


 0.0000, 0.0000,
0.0000


 29.6603, 0.4475,
0.3215


 29.6603, 0.4475,
0.3215


 24.7337, 0.4915,
0.3208


 35.9838, 0.4091,
0.3228


 21.0939, 0.5382,
0.3210


 43.7942, 0.3770,
0.3243


 18.6222, 0.5820,
0.3223

 53.1792, 0.3510,
0.3259

 17.1754, 0.6159,
0.3248

 64.2186, 0.3301,
0.3275

 16.5219, 0.6350,
0.3272

 76.9866, 0.3133,
0.3289

■ 91.5530, 0.2999,
0.3303

■ 95.2308, 0.2964,
0.3290

Harmonies

Analogous

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



29.6603, 0.3831, 0.2697



29.6603, 0.4475, 0.3215



29.6603, 0.4683, 0.3788

Triad

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



29.6603, 0.4475, 0.3215



29.6603, 0.3070, 0.4622



29.6603, 0.1921, 0.2167

Complementary

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



29.6603, 0.4475, 0.3215



64.2102, 0.2504, 0.3377

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.



29.6603, 0.1780, 0.2497



29.6603, 0.4475, 0.3215



29.6603, 0.2381, 0.3985

Square

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



29.6603, 0.4475, 0.3215



29.6603, 0.3814, 0.4706



29.6603, 0.1929, 0.3142



29.6603, 0.2343, 0.2119

Rectangle

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



29.6603, 0.4475, 0.3215



29.6603, 0.4549, 0.4164



29.6603, 0.1929, 0.3142



29.6603, 0.1842, 0.2243

Sweetspot

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



29.6618, 0.4475, 0.3215



75.8748, 0.3393, 0.3267



32.6810, 0.3109, 0.2052



15.6016, 0.3438, 0.3264



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.



29.6618, 0.4475, 0.3215



31.3703, 0.4959, 0.3208



43.8206, 0.4236, 0.3864



14.3821, 0.3283, 0.3276



9.5479, 0.6335, 0.3263



0.7106, 0.6155, 0.3164

Inverse Universe

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



29.6618, 0.4475, 0.3215



31.3703, 0.4959, 0.3208



41.0195, 0.2340, 0.2610



14.3821, 0.3283, 0.3276



9.5479, 0.6335, 0.3263



0.7106, 0.6155, 0.3164

Previews

White Background



This preview shows how the Yxy color 29.6603, 0.4475, 0.3215 looks on a white background.

Color Contrast Check

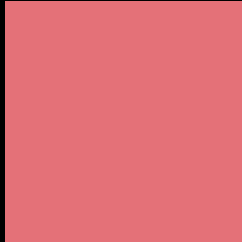
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6603, 0.4475, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

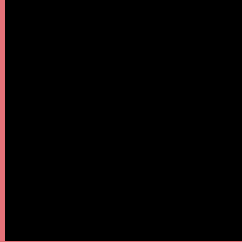
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6603, 0.4475, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 29.6603, 0.4475, 0.3215.



This preview shows how white text looks on a background with the Yxy color 29.6603, 0.4475, 0.3215.

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

29.6603, 0.4475, 0.3215

Protanopia

29.8560, 0.3298, 0.3463

Deuteranopia

29.8814, 0.3766, 0.3706



Tritanopia

29.6847, 0.4462, 0.3203

Trichromacy



Original Color

29.6603, 0.4475, 0.3215

Protanomaly

28.7904, 0.3701, 0.3349

Deuteranomaly

29.2562, 0.4029, 0.3497

Tritanomaly

29.6847, 0.4462, 0.3203

Monochromacy



Original Color

29.6603, 0.4475, 0.3215

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.5100, 0.3575, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6603, 0.4475, 0.3215 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(228, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(228, 113, 120)  
}
```

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(228, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 113, 120) }
```

Border

The CSS property to change the border of an element to Yxy 29.6603, 0.4475, 0.3215 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(228, 113, 120) }
```

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

```
.border{ border-color:rgb(228, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 113, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 113, 120); box-shadow:4px 4px 4px 4px rgb(228, 113, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6603, 0.4475, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 113, 120) }
```

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

```
.background{ background-color: rgb(228,  
113, 120) }
```

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