

Converting Colors

$Y_{xy}(30.8335, 0.4418, 0.3294)$

Have a look what the booklet for
Yxy(30.8335, 0.4418, 0.3294)
contains.

Yxy(30.9578, 0.4412, 0.3294)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9578, 0.4412, 0.3294)

Conversions

Conversions Part 1

Format	Color
Hex	E27878
RGB	226, 120, 120
RGB Percent	89%, 47%, 47%
CMY	0.1138, 0.5293, 0.5294
CMYK	0.00, 0.47, 0.47, 0.11
HSL	0°, 65%, 68%
HSV	0°, 47%, 89%
XYZ	41.4650, 30.9578, 21.5596
YIQ	151.6940, 63.1760, 22.4720

Conversions

Conversions Part 2

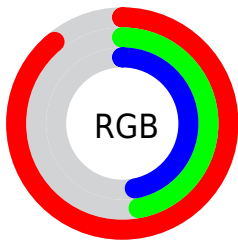
Format	Color
R _Y B	226, 120, 120
Decimal	14841976
CIE Lab	62.47, 40.97, 18.73
CIE LCh	62, 45.049, 24.562
Yxy	30.9578, 0.4412, 0.3294
Android (android.graphics.Color)	4293032056 (0xFFE27878)
YUV	151.6940, -15.6251, 65.1664
Hunter-Lab	55.6397, 35.6560, 15.9738

Details

The Yxy color **30.9578, 0.4412, 0.3294** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **63.8504, 0.2505, 0.3288**, and the grayscale version is **31.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5107, 0.3879, 0.3313**, and **12.8176, 0.4844, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **25.6645, 0.4860, 0.3295**, and if you desaturate by 10%, it is **37.6657, 0.4026, 0.3293**.

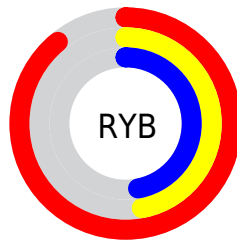
Distribution



Red (89%)

Green (47%)

Blue (47%)



Red (89%)

Yellow (47%)

Blue (47%)

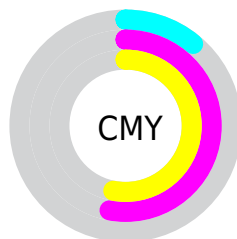


Cyan (0%)

Magenta (47%)

Yellow (47%)

Black (11%)



Cyan (11%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9578, 0.4412, 0.3294 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 30.9578, 0.4412, 0.3294 by changing the saturation by 10% instead.


 30.9578, 0.4412,
0.3294


 30.9578, 0.4412,
0.3294


306.3439, 0.3720,
0.3320


 20.5667, 0.4599,
0.3276


 61.1736, 0.4150,
0.3311

 12.8077, 0.4847,
0.3245


 81.7672, 0.4054,
0.3315

 7.2962, 0.5188,
0.3190


 106.5303, 0.3975,
0.3318

 3.6480, 0.5679,
0.3081

135.8474, 0.3908,
0.3319

 1.4787, 0.6660,
0.2952

170.1030, 0.3851,
0.3320

 0.2737, 0.8297,
0.1703

209.6813, 0.3801,

 0.0000, 1.0000,

0.3320

0.0000

254.9668, 0.3758,
0.3320

0.0000, 0.0000,
0.0000

30.9578, 0.4412,
0.3294

30.9578, 0.4412,
0.3294

25.6645, 0.4860,
0.3295

37.6657, 0.4026,
0.3293

21.6802, 0.5341,
0.3297

45.8743, 0.3707,
0.3292

18.8924, 0.5799,
0.3298


55.6687, 0.3450,
0.3291


17.1675, 0.6157,
0.3299

67.1259, 0.3244,
0.3290

16.3334, 0.6358,
0.3300

80.3184, 0.3080,
0.3290

 16.1657, 0.6401,
0.3300

 94.9048, 0.2952,
0.3289

Harmonies

Analogous

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



30.9578, 0.3861, 0.2796



30.9578, 0.4412, 0.3294



30.9578, 0.4553, 0.3832

Triad

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



30.9578, 0.4412, 0.3294



30.9578, 0.2999, 0.4453



30.9578, 0.2040, 0.2230

Complementary

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



30.9578, 0.4412, 0.3294



63.8504, 0.2505, 0.3288

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.



30.9578, 0.1875, 0.2510



30.9578, 0.4412, 0.3294



30.9578, 0.2377, 0.3832

Square

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



30.9578, 0.4412, 0.3294



30.9578, 0.3692, 0.4608



30.9578, 0.1984, 0.3075



30.9578, 0.2469, 0.2210

Rectangle

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



30.9578, 0.4412, 0.3294



30.9578, 0.4404, 0.4173



30.9578, 0.1984, 0.3075



30.9578, 0.1955, 0.2292

Sweetspot

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



30.9594, 0.4412, 0.3294



77.2138, 0.3387, 0.3291



35.0877, 0.3180, 0.2154



15.8604, 0.3435, 0.3291



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.



30.9594, 0.4412, 0.3294



34.0732, 0.4835, 0.3295



47.4036, 0.4093, 0.3905



13.7010, 0.3292, 0.3291



9.2251, 0.6401, 0.3300



0.6396, 0.6400, 0.3300

Inverse Universe

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



63.8504, 0.2505, 0.3288



82.1794, 0.2421, 0.3288



39.3656, 0.2374, 0.2566



15.5719, 0.2982, 0.3290



34.1497, 0.2246, 0.3287



2.3672, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 30.9578, 0.4412, 0.3294 looks on a white background.

Color Contrast Check

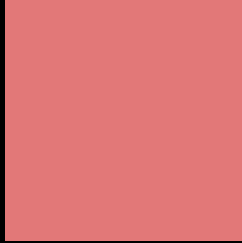
Large Text (above 18pt) WCAG AA × Fail

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 30.9578, 0.4412, 0.3294 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 ✓ Pass

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

Yxy 30.9578, 0.4412, 0.3294

Background



This preview shows how black text looks on a background with the Yxy color 30.9578, 0.4412, 0.3294.



This preview shows how white text looks on a background with the Yxy color 30.9578, 0.4412, 0.3294.

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

30.9578, 0.4412, 0.3294

Protanopia

31.1516, 0.3354, 0.3537

Deuteranopia

30.9767, 0.3791, 0.3712



Tritanopia

31.0569, 0.4340, 0.3201

Trichromacy



Original Color

30.9578, 0.4412, 0.3294

Protanomaly

30.4352, 0.3716, 0.3434

Deuteranomaly

30.4948, 0.4018, 0.3550

Tritanomaly

30.9798, 0.4378, 0.3236

Monochromacy



Original Color

30.9578, 0.4412, 0.3294

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.2333, 0.3560, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9578, 0.4412, 0.3294 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, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(226, 120, 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(226, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 120, 120) }
```

Border

The CSS property to change the border of an element to Yxy 30.9578, 0.4412, 0.3294 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, 120, 120) }
```

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

```
.border{ border-color:rgb(226, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(226, 120,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9578, 0.4412, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 120, 120) }
```

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

```
.background{ background-color: rgb(226,  
120, 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