

# Converting Colors

$Y_{xy}(30.0665, 0.4502, 0.3206)$

Have a look what the booklet for  
Yxy(30.0665, 0.4502, 0.3206)  
contains.

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# Color

**Yxy(30.1552, 0.4506, 0.3216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E77178
RGB	231, 113, 120
RGB Percent	91%, 44%, 47%
CMY	0.0941, 0.5568, 0.5294
CMYK	0.00, 0.51, 0.48, 0.09
HSL	356°, 71%, 67%
HSV	356°, 51%, 91%
XYZ	42.2510, 30.1552, 21.3599
YIQ	149.0800, 68.0810, 27.1930

# Conversions

## Conversions Part 2

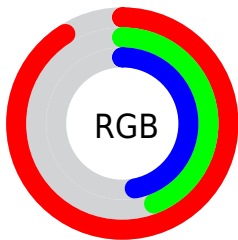
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 113, 120
Decimal	15167864
CIE <sub>Lab</sub>	61.79, 46.30, 17.91
CIE <sub>LCh</sub>	62, 49.645, 21.144
Yxy	30.1552, 0.4506, 0.3216
Android (android.graphics.Color)	4293357944 (0xFFE77178)
YUV	149.0800, -14.3364, 71.8438
Hunter-Lab	54.9138, 41.2401, 15.3775

# Details

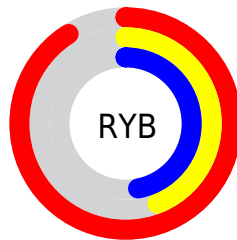
The Yxy color **30.1552, 0.4506, 0.3216** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **66.0483, 0.2497, 0.3377**, and the grayscale version is **30.1310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8760, 0.3903, 0.3240**, and **12.3575, 0.4967, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **25.1726, 0.4950, 0.3210**, and if you desaturate by 10%, it is **36.5723, 0.4117, 0.3228**.

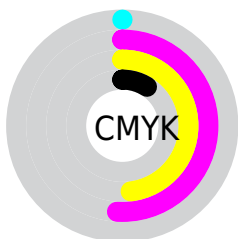
# Distribution



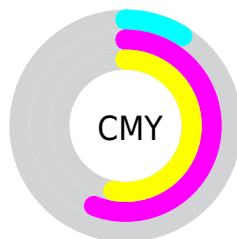
- Red (91%)
- Green (44%)
- Blue (47%)



- Red (91%)
- Yellow (44%)
- Blue (47%)



- Cyan (0%)
- Magenta (51%)
- Yellow (48%)
- Black (9%)




- Cyan (9%)
- Magenta (56%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1552, 0.4506, 0.3216 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 30.1552, 0.4506, 0.3216 by changing the saturation by 10% instead.




 30.1552, 0.4506,  
0.3216


 30.1552, 0.4506,  
0.3216


302.6272, 0.3762,  
0.3285


 19.9564, 0.4708,  
0.3186


 59.9075, 0.4223,  
0.3250

 12.3634, 0.4975,  
0.3139


 80.2299, 0.4121,  
0.3260

 6.9917, 0.5343,  
0.3060


 104.6955, 0.4035,  
0.3268

 3.4569, 0.5872,  
0.2917

133.6889, 0.3963,  
0.3273

 1.3747, 0.6929,  
0.2735

167.5943, 0.3902,  
0.3277

 0.1979, 0.8772,  
0.1228

206.7963, 0.3849,


 0.0000, 1.0000,


0.3281


0.0000

251.6791, 0.3802,  
0.3283

 0.0000, 0.0000,  
0.0000


 30.1552, 0.4506,  
0.3216


 30.1552, 0.4506,  
0.3216


 25.1726, 0.4950,  
0.3210

 36.5723, 0.4117,  
0.3228


 21.5098, 0.5418,  
0.3212


 44.5174, 0.3791,  
0.3243


 19.0429, 0.5851,  
0.3227

 54.0818, 0.3526,  
0.3259

 17.6217, 0.6180,  
0.3252

 65.3481, 0.3314,  
0.3274

 17.0206, 0.6352,  
0.3273

 78.3936, 0.3143,  
0.3289

■ 93.2905, 0.3007,  
0.3302

■ 95.7297, 0.2982,  
0.3290

# Harmonies

## Analogous

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



30.1552, 0.3851, 0.2690



30.1552, 0.4506, 0.3216



30.1552, 0.4712, 0.3798

# Triad

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



30.1552, 0.4506, 0.3216



30.1552, 0.3060, 0.4649



30.1552, 0.1903, 0.2146

# Complementary

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



30.1552, 0.4506, 0.3216



66.0483, 0.2497, 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.



30.1552, 0.1757, 0.2477



30.1552, 0.4506, 0.3216



30.1552, 0.2361, 0.3993

# Square

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



30.1552, 0.4506, 0.3216



30.1552, 0.3817, 0.4735



30.1552, 0.1905, 0.3131



30.1552, 0.2333, 0.2100



# Rectangle

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



30.1552, 0.4506, 0.3216



30.1552, 0.4571, 0.4180



30.1552, 0.1905, 0.3131



30.1552, 0.1823, 0.2222

# Sweetspot

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



30.1568, 0.4506, 0.3216



75.8722, 0.3393, 0.3268



33.2909, 0.3108, 0.2037



15.6009, 0.3438, 0.3265



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.



30.1568, 0.4506, 0.3216



31.3660, 0.4962, 0.3210



44.7824, 0.4256, 0.3871



14.3818, 0.3283, 0.3276



9.5474, 0.6336, 0.3264



0.7104, 0.6160, 0.3167



# Inverse Universe

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



30.1568, 0.4506, 0.3216



31.3660, 0.4962, 0.3210



41.8713, 0.2329, 0.2599



14.3818, 0.3283, 0.3276



9.5474, 0.6336, 0.3264



0.7104, 0.6160, 0.3167



# Previews

## White Background



This preview shows how the Yxy color 30.1552, 0.4506, 0.3216 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 30.1552, 0.4506, 0.3216 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 30.1552, 0.4506, 0.3216**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.1552, 0.4506, 0.3216.



This preview shows how white text looks on a background with the Yxy color 30.1552, 0.4506, 0.3216.

# 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

30.1552, 0.4506, 0.3216

### Protanopia

30.2984, 0.3297, 0.3462

### Deuteranopia

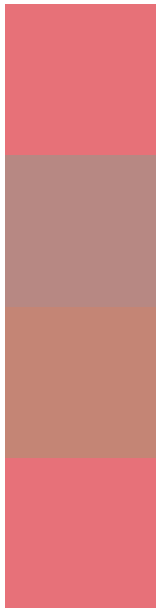
30.4144, 0.3784, 0.3716



## Tritanopia

30.1797, 0.4493, 0.3205

# Trichromacy



## Original Color

30.1552, 0.4506, 0.3216

## Protanomaly

29.3143, 0.3720, 0.3363

## Deuteranomaly

29.7952, 0.4046, 0.3508

## Tritanomaly

30.1797, 0.4493, 0.3205

# Monochromacy



## Original Color

30.1552, 0.4506, 0.3216

## Achromatopsia

30.0544, 0.3127, 0.3290

## Achromatomaly

29.0270, 0.3595, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.1552, 0.4506, 0.3216 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(231, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 113, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 30.1552, 0.4506, 0.3216 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(231, 113, 120) }
```

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

```
.border{ border-color:rgb(231, 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(231, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(231, 113,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.1552, 0.4506, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 113, 120) }
```

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

```
.background{ background-color: rgb(231,  
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](#).

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