

Converting Colors

$Y_{xy}(27.4704, 0.4631, 0.3085)$

Have a look what the booklet for
Yxy(27.4704, 0.4631, 0.3085)
contains.

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Color

Yxy(27.5553, 0.4636, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	E96376
RGB	233, 99, 118
RGB Percent	91%, 39%, 46%
CMY	0.0862, 0.6118, 0.5373
CMYK	0.00, 0.58, 0.49, 0.09
HSL	351°, 75%, 65%
HSV	351°, 58%, 91%
XYZ	41.3419, 27.5553, 20.2786
YIQ	141.2320, 73.7650, 34.3170

Conversions

Conversions Part 2

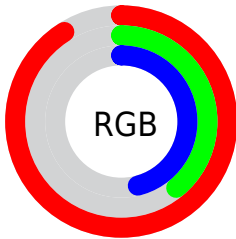
Format	Color
R _Y B	233, 99, 118
Decimal	15295350
CIE Lab	59.48, 53.47, 15.93
CIE LCh	59, 55.795, 16.591
Yxy	27.5553, 0.4636, 0.3090
Android (android.graphics.Color)	4293485430 (0xFFE96376)
YUV	141.2320, -11.4534, 80.4805
Hunter-Lab	52.4931, 48.7177, 13.8410

Details

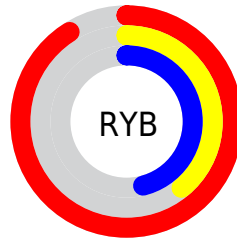
The Yxy color **27.5553, 0.4636, 0.3090** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **65.7989, 0.2495, 0.3536**, and the grayscale version is **26.7549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2735, 0.3969, 0.3124**, and **10.8688, 0.5161, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **23.3350, 0.5067, 0.3080**, and if you desaturate by 10%, it is **33.1527, 0.4247, 0.3116**.

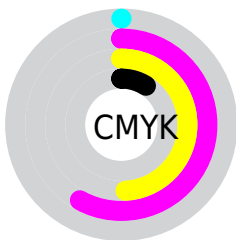
Distribution



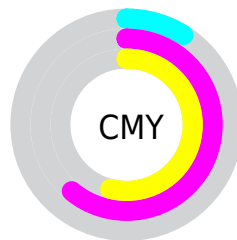
- Red (91%)
- Green (39%)
- Blue (46%)



- Red (91%)
- Yellow (39%)
- Blue (46%)



- Cyan (0%)
- Magenta (58%)
- Yellow (49%)
- Black (9%)





- Cyan (9%)
- Magenta (61%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5553, 0.4636, 0.3090 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 27.5553, 0.4636, 0.3090 by changing the saturation by 10% instead.


 27.5553, 0.4636,
0.3090


 27.5553, 0.4636,
0.3090


290.3358, 0.3812,
0.3229


 17.9907, 0.4863,
0.3040


 55.7737, 0.4321,
0.3151

 10.9433, 0.5164,
0.2966


 75.1962, 0.4207,
0.3171

 6.0287, 0.5582,
0.2849

 98.6736, 0.4113,
0.3186

 2.8626, 0.6186,
0.2648

 126.5901, 0.4033,
0.3198

 1.0604, 0.7524,
0.2409

159.3302, 0.3966,
0.3208

 0.0000, 1.0000,
0.0000

197.2782, 0.3908,

 0.0000, 0.0000,

0.3216

0.0000

240.8187, 0.3857,
0.3223

■ 27.5553, 0.4636,
0.3090

■ 27.5553, 0.4636,
0.3090

■ 23.3350, 0.5067,
0.3080

■ 33.1527, 0.4247,
0.3116

■ 20.3680, 0.5504,
0.3094

■ 40.2281, 0.3915,
0.3150

■ 18.5158, 0.5894,
0.3134

■ 48.8781, 0.3641,
0.3188

■ 17.5931, 0.6180,
0.3196

■ 59.1898, 0.3418,
0.3227

■ 17.4378, 0.6235,
0.3209

■ 71.2440, 0.3239,
0.3264

■ 85.1162, 0.3094,
0.3298

■ 96.0677, 0.2994,
0.3290

Harmonies

Analogous

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



27.5553, 0.3816, 0.2527



27.5553, 0.4636, 0.3090



27.5553, 0.4948, 0.3727

Triad

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



27.5553, 0.4636, 0.3090



27.5553, 0.3157, 0.4951



27.5553, 0.1704, 0.2024

Complementary

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



27.5553, 0.4636, 0.3090



65.7989, 0.2495, 0.3536

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.



27.5553, 0.1588, 0.2434



27.5553, 0.4636, 0.3090



27.5553, 0.2344, 0.4264

Square

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



27.5553, 0.4636, 0.3090



27.5553, 0.4007, 0.4901



27.5553, 0.1792, 0.3232



27.5553, 0.2128, 0.1940

Rectangle

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



27.5553, 0.4636, 0.3090



27.5553, 0.4824, 0.4164



27.5553, 0.1792, 0.3232



27.5553, 0.1631, 0.2121

Sweetspot

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



27.5568, 0.4636, 0.3090



73.2236, 0.3409, 0.3229



28.9396, 0.2991, 0.1858



15.0859, 0.3450, 0.3221



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.



27.5568, 0.4636, 0.3090



27.8588, 0.5147, 0.3081



38.7551, 0.4534, 0.3810



15.0888, 0.3271, 0.3257



9.9030, 0.6208, 0.3194



0.7885, 0.5881, 0.3014

Inverse Universe

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



27.5568, 0.4636, 0.3090



27.8588, 0.5147, 0.3081



43.7010, 0.2273, 0.2653



15.0888, 0.3271, 0.3257



9.9030, 0.6208, 0.3194



0.7885, 0.5881, 0.3014

Previews

White Background



This preview shows how the Yxy color 27.5553, 0.4636, 0.3090 looks on a white background.

Color Contrast Check

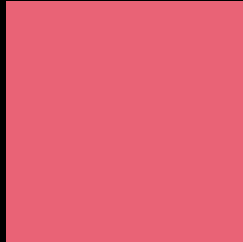
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5553, 0.4636, 0.3090 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 27.5553, 0.4636, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 27.5553, 0.4636, 0.3090.



This preview shows how white text looks on a background with the Yxy color 27.5553, 0.4636, 0.3090.

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

27.5553, 0.4636, 0.3090

Protanopia

27.7414, 0.3200, 0.3339

Deuteranopia

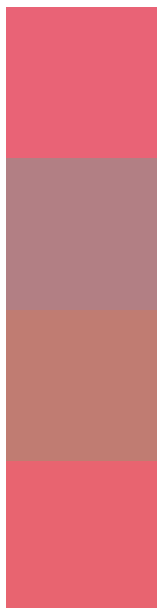
27.6716, 0.3754, 0.3689



Tritanopia

27.5459, 0.4750, 0.3220

Trichromacy



Original Color

27.5553, 0.4636, 0.3090

Protanomaly

26.3097, 0.3684, 0.3219

Deuteranomaly

26.8367, 0.4088, 0.3430

Tritanomaly

27.4400, 0.4703, 0.3166

Monochromacy



Original Color

27.5553, 0.4636, 0.3090

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.6138, 0.3627, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5553, 0.4636, 0.3090 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(233, 99, 118)` looks like.

```
.text, #text, p{  
    color:rgb(233, 99, 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(233, 99, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 99, 118) }
```

Border

The CSS property to change the border of an element to Yxy 27.5553, 0.4636, 0.3090 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(233, 99, 118) }
```

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

```
.border{ border-color:rgb(233, 99, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 99, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 99, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 99, 118); box-shadow:4px 4px 4px 4px rgb(233, 99, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5553, 0.4636, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 99, 118) }
```

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

```
.background{ background-color: rgb(233, 99,  
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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