

Converting Colors

$Y_{xy}(28.1233, 0.4579, 0.3111)$

Have a look what the booklet for
Yxy(28.1233, 0.4579, 0.3111)
contains.

Yxy(28.2124, 0.4575, 0.3109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.2124, 0.4575, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	E86778
RGB	232, 103, 120
RGB Percent	91%, 40%, 47%
CMY	0.0902, 0.5960, 0.5295
CMYK	0.00, 0.56, 0.48, 0.09
HSL	352°, 74%, 66%
HSV	352°, 56%, 91%
XYZ	41.5155, 28.2124, 21.0164
YIQ	143.5090, 71.4270, 32.6350

Conversions

Conversions Part 2

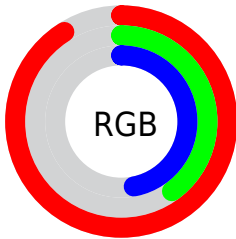
Format	Color
R_{YB}	232, 103, 120
Decimal	15230840
CIE _{Lab}	60.08, 51.44, 15.59
CIE _{LCh}	60, 53.747, 16.861
Yxy	28.2124, 0.4575, 0.3109
Android (android.graphics.Color)	4293420920 (0xFFE86778)
YUV	143.5090, -11.5899, 77.6066
Hunter-Lab	53.1153, 46.5656, 13.7212

Details

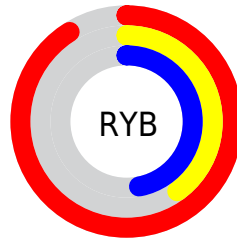
The Yxy color **28.2124, 0.4575, 0.3109** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **65.5014, 0.2502, 0.3508**, and the grayscale version is **27.7098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6923, 0.3934, 0.3145**, and **11.3524, 0.5076, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **23.7819, 0.5004, 0.3097**, and if you desaturate by 10%, it is **34.0288, 0.4192, 0.3134**.

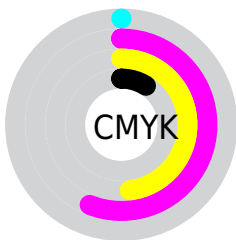
Distribution



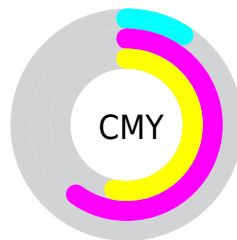
- Red (91%)
- Green (40%)
- Blue (47%)



- Red (91%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (56%)
- Yellow (48%)
- Black (9%)





- Cyan (9%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2124, 0.4575, 0.3109 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 28.2124, 0.4575, 0.3109 by changing the saturation by 10% instead.


 28.2124, 0.4575,
0.3109


 28.2124, 0.4575,
0.3109


293.4805, 0.3787,
0.3235

 18.4858, 0.4791,
0.3064


 56.8234, 0.4274,
0.3165

 11.2993, 0.5079,
0.2996


 76.4766, 0.4165,
0.3183

 6.2686, 0.5478,
0.2888


 100.2074, 0.4075,
0.3196

 3.0091, 0.6057,
0.2704

 128.4003, 0.3999,
0.3208

 1.1365, 0.7261,
0.2467

161.4397, 0.3934,
0.3216

 0.0089, 0.9934,
0.0066

199.7099, 0.3878,

 0.0000, 1.0000,

0.3224

0.0000

243.5954, 0.3829,
0.3230

■ 0.0000, 0.0000,
0.0000

■ 28.2124, 0.4575,
0.3109

■ 28.2124, 0.4575,
0.3109

■ 23.7819, 0.5004,
0.3097

■ 34.0288, 0.4192,
0.3134

■ 20.6175, 0.5447,
0.3106

■ 41.3290, 0.3867,
0.3167

■ 18.5868, 0.5851,
0.3140


■ 50.2070, 0.3600,
0.3203


■ 17.5252, 0.6156,
0.3196

■ 60.7478, 0.3383,
0.3238

■ 17.2506, 0.6254,
0.3219

■ 73.0305, 0.3209,
0.3272

 87.1290, 0.3069,
0.3304

 95.8943, 0.2987,
0.3290

Harmonies

Analogous

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



28.2124, 0.3796, 0.2561



28.2124, 0.4575, 0.3109



28.2124, 0.4873, 0.3728

Triad

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



28.2124, 0.4575, 0.3109



28.2124, 0.3157, 0.4867



28.2124, 0.1756, 0.2071

Complementary

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



28.2124, 0.4575, 0.3109



65.5014, 0.2502, 0.3508

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.



28.2124, 0.1642, 0.2468



28.2124, 0.4575, 0.3109



28.2124, 0.2374, 0.4208

Square

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



28.2124, 0.4575, 0.3109



28.2124, 0.3975, 0.4841



28.2124, 0.1841, 0.3231



28.2124, 0.2172, 0.1988

Rectangle

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



28.2124, 0.4575, 0.3109



28.2124, 0.4756, 0.4150



28.2124, 0.1841, 0.3231



28.2124, 0.1685, 0.2165

Sweetspot

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



28.2139, 0.4575, 0.3109



73.2000, 0.3413, 0.3233



29.9460, 0.3019, 0.1908



15.0804, 0.3454, 0.3226



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.



28.2139, 0.4575, 0.3109



28.6772, 0.5082, 0.3097



40.0454, 0.4453, 0.3820



14.3987, 0.3272, 0.3259



9.5879, 0.6227, 0.3204



0.7185, 0.5896, 0.3022

Inverse Universe

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



28.2139, 0.4575, 0.3109



28.6772, 0.5082, 0.3097



43.2835, 0.2291, 0.2648



14.3987, 0.3272, 0.3259



9.5879, 0.6227, 0.3204



0.7185, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 28.2124, 0.4575, 0.3109 looks on a white background.

Color Contrast Check

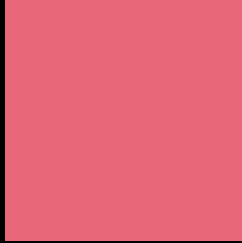
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2124, 0.4575, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

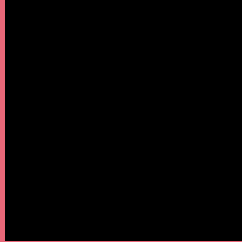
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2124, 0.4575, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 28.2124, 0.4575, 0.3109.



This preview shows how white text looks on a background with the Yxy color 28.2124, 0.4575, 0.3109.

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

28.2124, 0.4575, 0.3109

Protanopia

28.5634, 0.3209, 0.3354

Deuteranopia

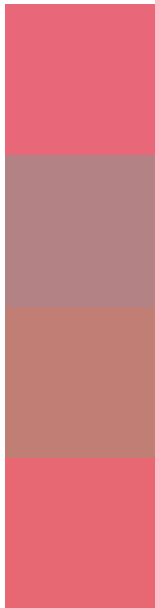
28.2262, 0.3750, 0.3670



Tritanopia

28.0594, 0.4667, 0.3207

Trichromacy



Original Color

28.2124, 0.4575, 0.3109

Protanomaly

27.2424, 0.3673, 0.3248

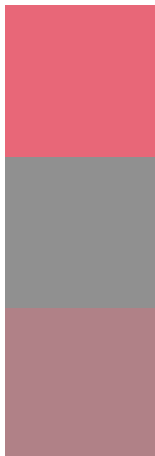
Deuteranomaly

27.5201, 0.4063, 0.3430

Tritanomaly

28.1274, 0.4627, 0.3174

Monochromacy



Original Color

28.2124, 0.4575, 0.3109

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.6799, 0.3617, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2124, 0.4575, 0.3109 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(232, 103, 120)` looks like.

```
.text, #text, p{  
    color:rgb(232, 103, 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(232, 103, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 103, 120) }
```

Border

The CSS property to change the border of an element to Yxy 28.2124, 0.4575, 0.3109 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(232, 103, 120) }
```

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

```
.border{ border-color:rgb(232, 103, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 103, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 103, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 103, 120);  
box-shadow:4px 4px 4px 4px rgb(232, 103,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2124, 0.4575, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 103, 120) }
```

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

```
.background{ background-color: rgb(232,  
103, 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