

Converting Colors

$Y_{xy}(31.2737, 0.4398, 0.3079)$

Have a look what the booklet for
Yxy(31.2737, 0.4398, 0.3079)
contains.

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Color

Yxy(31.3091, 0.4401, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	EC7184
RGB	236, 113, 132
RGB Percent	93%, 44%, 52%
CMY	0.0745, 0.5569, 0.4824
CMYK	0.00, 0.52, 0.44, 0.07
HSL	351°, 76%, 68%
HSV	351°, 52%, 93%
XYZ	44.6649, 31.3091, 25.5141
YIQ	151.9430, 67.2090, 31.9850

Conversions

Conversions Part 2

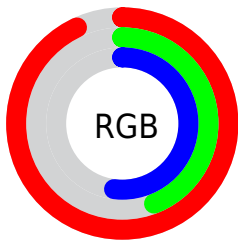
Format	Color
R _Y B	236, 113, 132
Decimal	15495556
CIE Lab	62.77, 49.21, 12.50
CIE LCh	63, 50.776, 14.257
Yxy	31.3091, 0.4401, 0.3085
Android (android.graphics.Color)	4293685636 (0xFFEC7184)
YUV	151.9430, -9.8319, 73.7180
Hunter-Lab	55.9545, 44.5647, 12.1331

Details

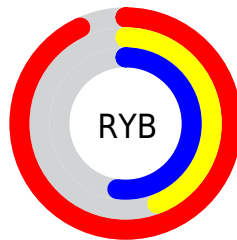
The Yxy color **31.3091, 0.4401, 0.3085** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **68.5208, 0.2541, 0.3529**, and the grayscale version is **31.3951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7680, 0.3776, 0.3114**, and **12.9826, 0.4824, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **26.2168, 0.4806, 0.3064**, and if you desaturate by 10%, it is **37.8782, 0.4047, 0.3119**.

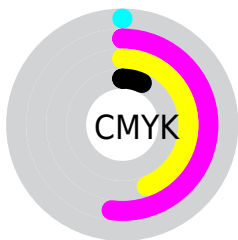
Distribution



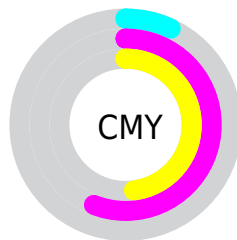
- Red (93%)
- Green (44%)
- Blue (52%)



- Red (93%)
- Yellow (44%)
- Blue (52%)



- Cyan (0%)
- Magenta (52%)
- Yellow (44%)
- Black (7%)





- Cyan (7%)
- Magenta (56%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3091, 0.4401, 0.3085 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 31.3091, 0.4401, 0.3085 by changing the saturation by 10% instead.


 31.3091, 0.4401,
0.3085

 31.3091, 0.4401,
0.3085


307.9598, 0.3718,
0.3214


 20.8343, 0.4585,
0.3043


 61.7264, 0.4142,
0.3139

 13.0030, 0.4829,
0.2983


 82.4377, 0.4048,
0.3157

 7.4306, 0.5166,
0.2892


 107.3300, 0.3970,
0.3172

 3.7328, 0.5654,
0.2742

136.7876, 0.3904,
0.3183

 1.5253, 0.6434,
0.2484

171.1951, 0.3847,
0.3193

 0.3064, 0.8453,
0.1547


210.9366, 0.3798,


 0.0000, 1.0000,


0.3201

0.0000

256.3968, 0.3756,
0.3208


 0.0000, 0.0000,
0.0000


 31.3091, 0.4401,
0.3085

 31.3091, 0.4401,
0.3085


 26.2168, 0.4806,
0.3064


 37.8782, 0.4047,
0.3119


 22.4818, 0.5241,
0.3063

 46.0215, 0.3752,
0.3160

 19.9744, 0.5662,
0.3089

 55.8339, 0.3510,
0.3202

 18.5367, 0.6012,
0.3144

 67.4013, 0.3314,
0.3243

 17.9654, 0.6212,
0.3196

 80.8037, 0.3156,
0.3282

■ 96.1162, 0.3030,
0.3318

■ 96.5753, 0.3011,
0.3290

Harmonies

Analogous

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



31.3091, 0.3669, 0.2579



31.3091, 0.4401, 0.3085



31.3091, 0.4726, 0.3664

Triad

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



31.3091, 0.4401, 0.3085



31.3091, 0.3236, 0.4739



31.3091, 0.1834, 0.2185

Complementary

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



31.3091, 0.4401, 0.3085



68.5208, 0.2541, 0.3529

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.



31.3091, 0.1753, 0.2591



31.3091, 0.4401, 0.3085



31.3091, 0.2499, 0.4191

Square

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



31.3091, 0.4401, 0.3085



31.3091, 0.3984, 0.4691



31.3091, 0.1972, 0.3320



31.3091, 0.2201, 0.2078

Rectangle

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



31.3091, 0.4401, 0.3085



31.3091, 0.4656, 0.4056



31.3091, 0.1972, 0.3320



31.3091, 0.1775, 0.2284

Sweetspot

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



31.3107, 0.4401, 0.3085



74.6482, 0.3386, 0.3227



32.3914, 0.2990, 0.1967



15.3677, 0.3426, 0.3219



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.



31.3107, 0.4401, 0.3085



30.6633, 0.4855, 0.3062



42.1399, 0.4370, 0.3748



15.0920, 0.3269, 0.3254



9.9134, 0.6182, 0.3179



0.7900, 0.5841, 0.2991

Inverse Universe

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



31.3107, 0.4401, 0.3085



30.6633, 0.4855, 0.3062



48.6018, 0.2348, 0.2752



15.0920, 0.3269, 0.3254



9.9134, 0.6182, 0.3179



0.7900, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 31.3091, 0.4401, 0.3085 looks on a white background.

Color Contrast Check

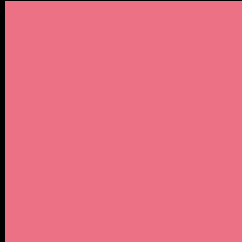
Large Text (above 18pt) WCAG AA × Fail

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 31.3091, 0.4401, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

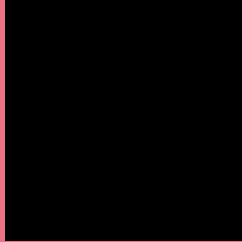
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3091, 0.4401, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 31.3091, 0.4401, 0.3085.



This preview shows how white text looks on a background with the Yxy color 31.3091, 0.4401, 0.3085.

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

31.3091, 0.4401, 0.3085

Protanopia

31.6920, 0.3157, 0.3290

Deuteranopia

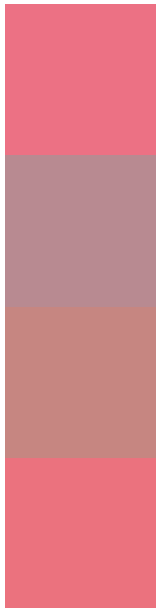
31.3202, 0.3647, 0.3568



Tritanopia

31.3537, 0.4496, 0.3206

Trichromacy



Original Color

31.3091, 0.4401, 0.3085

Protanomaly

30.4116, 0.3566, 0.3193

Deuteranomaly

30.6409, 0.3922, 0.3359

Tritanomaly

31.2032, 0.4463, 0.3162

Monochromacy



Original Color

31.3091, 0.4401, 0.3085

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.2886, 0.3555, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3091, 0.4401, 0.3085 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(236, 113, 132)` looks like.

```
.text, #text, p{  
    color:rgb(236, 113, 132)  
}
```

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(236, 113, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 113, 132) }
```

Border

The CSS property to change the border of an element to Yxy 31.3091, 0.4401, 0.3085 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(236, 113, 132) }
```

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

```
.border{ border-color:rgb(236, 113, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 113, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 113, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 113, 132);  
box-shadow:4px 4px 4px 4px rgb(236, 113,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3091, 0.4401, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 113, 132) }
```

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

```
.background{ background-color: rgb(236,  
113, 132) }
```

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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