

Converting Colors

$Y_{xy}(31.7852, 0.4462, 0.3095)$

Have a look what the booklet for
Yxy(31.7852, 0.4462, 0.3095)
contains.

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Color

Yxy(31.7523, 0.4459, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	F07083
RGB	240, 112, 131
RGB Percent	94%, 44%, 51%
CMY	0.0589, 0.5607, 0.4863
CMYK	0.00, 0.53, 0.45, 0.06
HSL	351°, 81%, 69%
HSV	351°, 53%, 94%
XYZ	45.8199, 31.7523, 25.1860
YIQ	152.4380, 70.1890, 33.0450

Conversions

Conversions Part 2

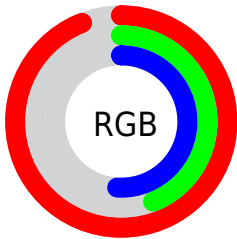
Format	Color
R _Y B	240, 112, 131
Decimal	15757443
CIE Lab	63.14, 50.94, 13.67
CIE LCh	63, 52.743, 15.025
Yxy	31.7523, 0.4459, 0.3090
Android (android.graphics.Color)	4293947523 (0xFFFF07083)
YUV	152.4380, -10.5689, 76.7919
Hunter-Lab	56.3492, 46.5348, 12.9439

Details

The Yxy color **31.7523, 0.4459, 0.3090** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **70.9729, 0.2528, 0.3526**, and the grayscale version is **31.6256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3581, 0.3789, 0.3114**, and **13.3386, 0.4901, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **26.6433, 0.4873, 0.3072**, and if you desaturate by 10%, it is **38.3849, 0.4095, 0.3122**.

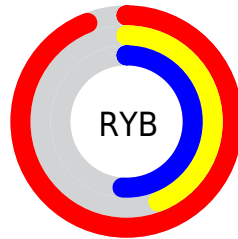
Distribution



Red (94%)

Green (44%)

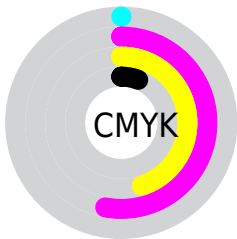
Blue (51%)



Red (94%)

Yellow (44%)

Blue (51%)

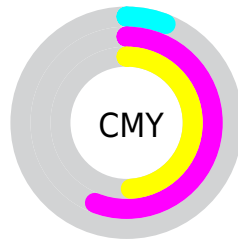


Cyan (0%)

Magenta (53%)

Yellow (45%)

Black (6%)



Cyan (6%)


Magenta (56%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7523, 0.4459, 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 31.7523, 0.4459, 0.3090 by changing the saturation by 10% instead.


 31.7523, 0.4459,
0.3090


 31.7523, 0.4459,
0.3090


309.9893, 0.3747,
0.3219


 21.1724, 0.4650,
0.3047


 62.4226, 0.4190,
0.3144

 13.2501, 0.4903,
0.2986


 83.2817, 0.4092,
0.3162

 7.6010, 0.5249,
0.2893


 108.3360, 0.4010,
0.3177

 3.8407, 0.5748,
0.2740

137.9699, 0.3941,
0.3188

 1.5849, 0.6541,
0.2478

172.5678, 0.3882,
0.3198

 0.3474, 0.8387,
0.1613

212.5141, 0.3831,


 0.0000, 1.0000,


0.3206

0.0000

258.1931, 0.3786,
0.3213


 0.0000, 0.0000,
0.0000

 31.7523, 0.4459,
0.3090

 31.7523, 0.4459,
0.3090


 26.6433, 0.4873,
0.3072


 38.3849, 0.4095,
0.3122


 22.9316, 0.5311,
0.3075


 46.6441, 0.3790,
0.3160


 20.4791, 0.5728,
0.3105

 56.6300, 0.3539,
0.3201

 19.1165, 0.6064,
0.3161

 68.4329, 0.3337,
0.3240

 18.6458, 0.6226,
0.3203

 82.1369, 0.3174,
0.3278

97.1733, 0.3043,
0.3303

97.2610, 0.3035,
0.3290

Harmonies

Analogous

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



31.7523, 0.3708, 0.2569



31.7523, 0.4459, 0.3090



31.7523, 0.4779, 0.3683

Triad

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



31.7523, 0.4459, 0.3090



31.7523, 0.3214, 0.4786



31.7523, 0.1804, 0.2145

Complementary

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



31.7523, 0.4459, 0.3090



70.9729, 0.2528, 0.3526

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.



31.7523, 0.1713, 0.2551



31.7523, 0.4459, 0.3090



31.7523, 0.2459, 0.4203

Square

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



31.7523, 0.4459, 0.3090



31.7523, 0.3987, 0.4742



31.7523, 0.1928, 0.3295



31.7523, 0.2187, 0.2045

Rectangle

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



31.7523, 0.4459, 0.3090



31.7523, 0.4695, 0.4086



31.7523, 0.1928, 0.3295



31.7523, 0.1741, 0.2243

Sweetspot

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



31.7540, 0.4459, 0.3090



74.6350, 0.3388, 0.3230



33.2223, 0.3005, 0.1947



15.3646, 0.3428, 0.3222



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.



31.7540, 0.4459, 0.3090



30.1406, 0.4911, 0.3071



43.7408, 0.4397, 0.3780



15.7970, 0.3270, 0.3255



10.2212, 0.6197, 0.3187



0.8619, 0.5880, 0.3013

Inverse Universe

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



31.7540, 0.4459, 0.3090



30.1406, 0.4911, 0.3071



48.8534, 0.2326, 0.2707



15.7970, 0.3270, 0.3255



10.2212, 0.6197, 0.3187



0.8619, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 31.7523, 0.4459, 0.3090 looks on a white background.

Color Contrast Check

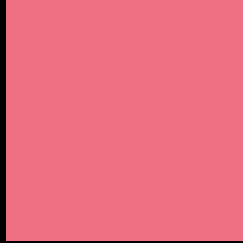
Large Text (above 18pt) WCAG AA × Fail

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 31.7523, 0.4459, 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 ✓ Pass

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

Yxy 31.7523, 0.4459, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 31.7523, 0.4459, 0.3090.



This preview shows how white text looks on a background with the Yxy color 31.7523, 0.4459, 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

31.7523, 0.4459, 0.3090

Protanopia

32.1174, 0.3167, 0.3305

Deuteranopia

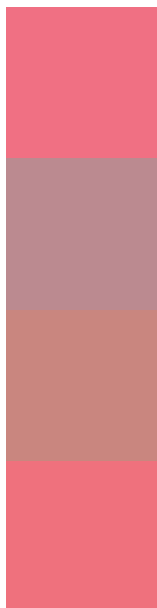
31.8131, 0.3687, 0.3609



Tritanopia

31.7905, 0.4554, 0.3208

Trichromacy



Original Color

31.7523, 0.4459, 0.3090

Protanomaly

30.7554, 0.3611, 0.3208

Deuteranomaly

31.0000, 0.3979, 0.3385

Tritanomaly

31.6416, 0.4522, 0.3165

Monochromacy



Original Color

31.7523, 0.4459, 0.3090

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.0953, 0.3580, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7523, 0.4459, 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(240, 112, 131)` looks like.

```
.text, #text, p{  
    color:rgb(240, 112, 131)  
}
```

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(240, 112, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 112, 131) }
```

Border

The CSS property to change the border of an element to Yxy 31.7523, 0.4459, 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(240, 112, 131) }
```

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

```
.border{ border-color:rgb(240, 112, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 112, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 112, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 112, 131);  
box-shadow:4px 4px 4px 4px rgb(240, 112,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7523, 0.4459, 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(240, 112, 131) }
```

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

```
.background{ background-color: rgb(240,  
112, 131) }
```

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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