

Converting Colors

$Y_{xy}(31.7858, 0.4685, 0.3506)$

Have a look what the booklet for
Yxy(31.7858, 0.4685, 0.3506)
contains.

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Color

Yxy(31.7899, 0.4684, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	E87966
RGB	232, 121, 102
RGB Percent	91%, 47%, 40%
CMY	0.0901, 0.5255, 0.6000
CMYK	0.00, 0.48, 0.56, 0.09
HSL	9°, 74%, 65%
HSV	9°, 56%, 91%
XYZ	42.5197, 31.7899, 16.4668
YIQ	152.0230, 72.2550, 17.6230

Conversions

Conversions Part 2

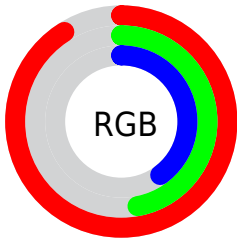
Format	Color
R_{YB}	232, 124, 102
Decimal	15235430
CIE _{Lab}	63.17, 41.16, 29.94
CIE _{LCh}	63, 50.896, 36.036
Yxy	31.7899, 0.4684, 0.3502
Android (android.graphics.Color)	4293425510 (0xFFE87966)
YUV	152.0230, -24.6613, 70.1398
Hunter-Lab	56.3825, 35.9425, 22.1518

Details

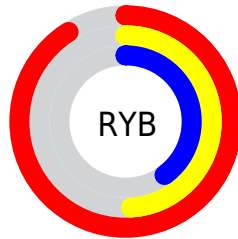
The Yxy color **31.7899, 0.4684, 0.3502** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **56.2586, 0.2370, 0.3041**, and the grayscale version is **31.4954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2199, 0.4050, 0.3524**, and **13.3027, 0.5182, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **27.0630, 0.5116, 0.3518**, and if you desaturate by 10%, it is **37.6379, 0.4289, 0.3471**.

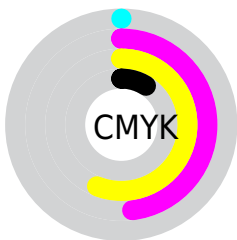
Distribution



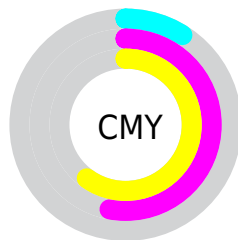
- Red (91%)
- Green (47%)
- Blue (40%)



- Red (91%)
- Yellow (49%)
- Blue (40%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7899, 0.4684, 0.3502 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 31.7899, 0.4684, 0.3502 by changing the saturation by 10% instead.


 31.7899, 0.4684,
0.3502


 31.7899, 0.4684,
0.3502


310.1611, 0.3855,
0.3439


 21.2011, 0.4901,
0.3499


 62.4816, 0.4373,
0.3492


 13.2711, 0.5183,
0.3481


 83.3532, 0.4259,
0.3485

 7.6155, 0.5556,
0.3432


 108.4212, 0.4164,
0.3476

 3.8499, 0.6075,
0.3322

 138.0701, 0.4083,
0.3468

 1.5900, 0.6897,
0.3103

172.6840, 0.4014,
0.3460

 0.3508, 0.8043,
0.1957

212.6476, 0.3953,

 0.0000, 1.0000,

0.3453

0.0000

258.3452, 0.3901,
0.3446

0.0000, 0.0000,
0.0000

31.7899, 0.4684,
0.3502

31.7899, 0.4684,
0.3502

27.0630, 0.5116,
0.3518

37.6379, 0.4289,
0.3471

23.3801, 0.5550,
0.3511

44.6676, 0.3946,
0.3433

20.6623, 0.5931,
0.3476

52.9410, 0.3658,
0.3392

18.8167, 0.6202,
0.3417

62.5145, 0.3421,
0.3351

18.2965, 0.6281,
0.3395

73.4410, 0.3227,
0.3312

■ 85.7703, 0.3068,
0.3276

■ 95.8993, 0.2988,
0.3290

Harmonies

Analogous

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



31.7899, 0.4227, 0.2937



31.7899, 0.4684, 0.3502



31.7899, 0.4636, 0.4089

Triad

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



31.7899, 0.4684, 0.3502



31.7899, 0.2689, 0.4390



31.7899, 0.2075, 0.2083

Complementary

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



31.7899, 0.4684, 0.3502



56.2586, 0.2370, 0.3041

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.



31.7899, 0.1786, 0.2266



31.7899, 0.4684, 0.3502



31.7899, 0.2090, 0.3560

Square

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



31.7899, 0.4684, 0.3502



31.7899, 0.3448, 0.4779



31.7899, 0.1785, 0.2762



31.7899, 0.2646, 0.2163

Rectangle

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



31.7899, 0.4684, 0.3502



31.7899, 0.4357, 0.4445



31.7899, 0.1785, 0.2762



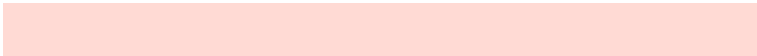
31.7899, 0.1947, 0.2113

Sweetspot

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



31.7916, 0.4684, 0.3502



76.1284, 0.3444, 0.3355



31.5534, 0.3366, 0.2113



15.7610, 0.3489, 0.3363



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.



31.7916, 0.4684, 0.3502



32.8608, 0.5174, 0.3518



52.5448, 0.4219, 0.4191



14.7058, 0.3289, 0.3325



10.2659, 0.6261, 0.3411



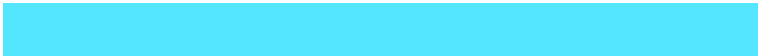
0.8655, 0.6019, 0.3603

Inverse Universe

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



56.2586, 0.2370, 0.3041



65.7338, 0.2270, 0.2982



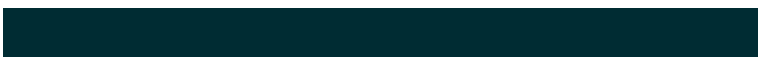
30.3627, 0.2179, 0.2140



15.9588, 0.2981, 0.3255



25.8321, 0.2117, 0.2821



2.0072, 0.2138, 0.2896

Previews

White Background



This preview shows how the Yxy color 31.7899, 0.4684, 0.3502 looks on a white background.

Color Contrast Check

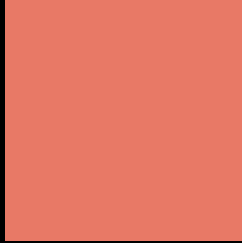
Large Text (above 18pt) WCAG AA × Fail

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 31.7899, 0.4684, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

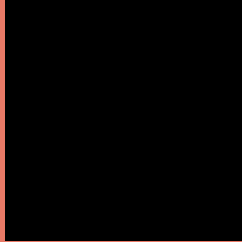
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7899, 0.4684, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 31.7899, 0.4684, 0.3502.



This preview shows how white text looks on a background with the Yxy color 31.7899, 0.4684, 0.3502.

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

31.7899, 0.4684, 0.3502

Protanopia

31.9359, 0.3601, 0.3852

Deuteranopia

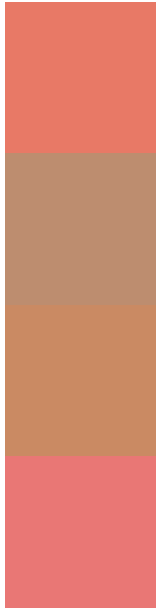
32.0448, 0.4054, 0.3985



Tritanopia

31.9557, 0.4430, 0.3205

Trichromacy



Original Color

31.7899, 0.4684, 0.3502

Protanomaly

31.0163, 0.3990, 0.3707

Deuteranomaly

31.6344, 0.4282, 0.3795

Tritanomaly

31.8016, 0.4527, 0.3316

Monochromacy



Original Color

31.7899, 0.4684, 0.3502

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.5947, 0.3645, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7899, 0.4684, 0.3502 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, 121, 102)` looks like.

```
.text, #text, p{  
    color:rgb(232, 121, 102)  
}
```

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, 121, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 121, 102) }
```

Border

The CSS property to change the border of an element to Yxy 31.7899, 0.4684, 0.3502 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, 121, 102) }
```

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

```
.border{ border-color:rgb(232, 121, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 121, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 121, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 121, 102);  
box-shadow:4px 4px 4px 4px rgb(232, 121,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7899, 0.4684, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 121, 102) }
```

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

```
.background{ background-color: rgb(232,  
121, 102) }
```

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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