

Converting Colors

$Y_{xy}(30.2729, 0.4702, 0.3448)$

Have a look what the booklet for
Yxy(30.2729, 0.4702, 0.3448)
contains.

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Color

Yxy(30.2731, 0.4702, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	E67466
RGB	230, 116, 102
RGB Percent	90%, 45%, 40%
CMY	0.0979, 0.5451, 0.5999
CMYK	0.00, 0.50, 0.56, 0.10
HSL	7°, 72%, 65%
HSV	7°, 56%, 90%
XYZ	41.2831, 30.2731, 16.2428
YIQ	148.4900, 72.4380, 19.8140

Conversions

Conversions Part 2

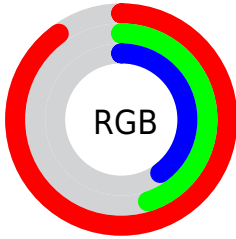
Format	Color
R _Y B	230, 118, 102
Decimal	15103078
CIE Lab	61.89, 42.93, 28.22
CIE LCh	62, 51.375, 33.320
Yxy	30.2731, 0.4702, 0.3448
Android (android.graphics.Color)	4293293158 (0xFFE67466)
YUV	148.4900, -22.9196, 71.4843
Hunter-Lab	55.0210, 37.6445, 21.0116

Details

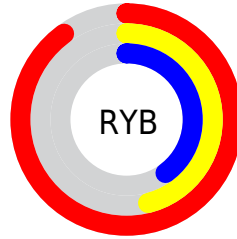
The Yxy color **30.2731, 0.4702, 0.3448** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **57.6799, 0.2388, 0.3106**, and the grayscale version is **29.9053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3094, 0.4073, 0.3472**, and **12.4887, 0.5218, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **25.6658, 0.5147, 0.3459**, and if you desaturate by 10%, it is **36.0521, 0.4296, 0.3425**.

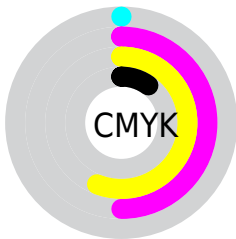
Distribution



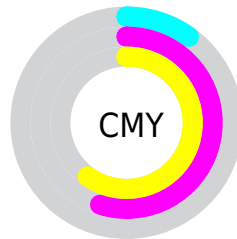
- Red (90%)
- Green (45%)
- Blue (40%)



- Red (90%)
- Yellow (46%)
- Blue (40%)



- Cyan (0%)
- Magenta (50%)
- Yellow (56%)
- Black (10%)





- Cyan (10%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2731, 0.4702, 0.3448 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 30.2731, 0.4702, 0.3448 by changing the saturation by 10% instead.


 30.2731, 0.4702,
0.3448


 30.2731, 0.4702,
0.3448


303.1754, 0.3856,
0.3413


 20.0460, 0.4927,
0.3438


 60.0938, 0.4383,
0.3448


 12.4285, 0.5219,
0.3411


 80.4562, 0.4267,
0.3444

 7.0362, 0.5611,
0.3349


 104.9657, 0.4169,
0.3439

 3.4847, 0.6165,
0.3220

 134.0069, 0.4087,
0.3434

 1.3897, 0.7038,
0.2962

167.9640, 0.4017,
0.3428

 0.2091, 0.8628,
0.1372

207.2216, 0.3956,

 0.0000, 1.0000,

0.3423

0.0000

252.1639, 0.3903,
0.3418

0.0000, 0.0000,
0.0000

30.2731, 0.4702,
0.3448

30.2731, 0.4702,
0.3448

25.6658, 0.5147,
0.3459

36.0521, 0.4296,
0.3425

22.1452, 0.5592,
0.3452

43.0705, 0.3946,
0.3396

19.6229, 0.5978,
0.3424

51.3964, 0.3654,
0.3365

17.9939, 0.6245,
0.3378

61.0918, 0.3415,
0.3335

17.5264, 0.6325,
0.3360

72.2144, 0.3220,
0.3305

■ 84.8188, 0.3062,
0.3279

■ 95.5668, 0.2976,
0.3290

Harmonies

Analogous

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



30.2731, 0.4191, 0.2878



30.2731, 0.4702, 0.3448



30.2731, 0.4696, 0.4048

Triad

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



30.2731, 0.4702, 0.3448



30.2731, 0.2742, 0.4484



30.2731, 0.2013, 0.2062

Complementary

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



30.2731, 0.4702, 0.3448



57.6799, 0.2388, 0.3106

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.



30.2731, 0.1745, 0.2274



30.2731, 0.4702, 0.3448



30.2731, 0.2109, 0.3649

Square

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



30.2731, 0.4702, 0.3448



30.2731, 0.3523, 0.4823



30.2731, 0.1771, 0.2809



30.2731, 0.2569, 0.2122

Rectangle

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



30.2731, 0.4702, 0.3448



30.2731, 0.4431, 0.4421



30.2731, 0.1771, 0.2809



30.2731, 0.1891, 0.2100

Sweetspot

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



30.2747, 0.4702, 0.3448



75.3028, 0.3447, 0.3339



31.3548, 0.3318, 0.2083



15.5688, 0.3492, 0.3345



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.



30.2747, 0.4702, 0.3448



31.5621, 0.5226, 0.3459



49.9553, 0.4239, 0.4142



14.6198, 0.3290, 0.3316



10.0064, 0.6309, 0.3373



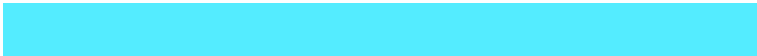
0.8246, 0.6107, 0.3533

Inverse Universe

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



57.6799, 0.2388, 0.3106



69.3076, 0.2289, 0.3062



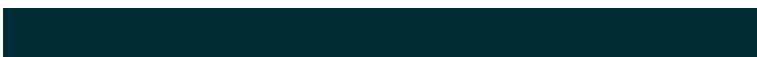
31.3954, 0.2199, 0.2213



16.0535, 0.2982, 0.3264



28.0379, 0.2151, 0.2944



2.1491, 0.2166, 0.2999

Previews

White Background



This preview shows how the Yxy color 30.2731, 0.4702, 0.3448 looks on a white background.

Color Contrast Check

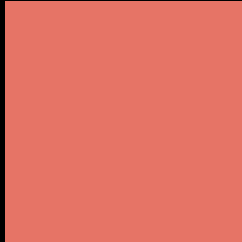
Large Text (above 18pt) WCAG AA × Fail

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 30.2731, 0.4702, 0.3448 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 30.2731, 0.4702, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 30.2731, 0.4702, 0.3448.



This preview shows how white text looks on a background with the Yxy color 30.2731, 0.4702, 0.3448.

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

30.2731, 0.4702, 0.3448

Protanopia

30.5706, 0.3559, 0.3802

Deuteranopia

30.2113, 0.4025, 0.3948



Tritanopia

30.1797, 0.4493, 0.3205

Trichromacy



Original Color

30.2731, 0.4702, 0.3448

Protanomaly

29.6611, 0.3951, 0.3660

Deuteranomaly

29.6817, 0.4275, 0.3740

Tritanomaly

30.2385, 0.4577, 0.3294

Monochromacy



Original Color

30.2731, 0.4702, 0.3448

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.7120, 0.3663, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2731, 0.4702, 0.3448 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(230, 116, 102)` looks like.

```
.text, #text, p{  
    color:rgb(230, 116, 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(230, 116, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 116, 102) }
```

Border

The CSS property to change the border of an element to Yxy 30.2731, 0.4702, 0.3448 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(230, 116, 102) }
```

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

```
.border{ border-color:rgb(230, 116, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 116, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 116, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 116, 102);  
box-shadow:4px 4px 4px 4px rgb(230, 116,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2731, 0.4702, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 116, 102) }
```

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

```
.background{ background-color: rgb(230,  
116, 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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