

Converting Colors

$Y_{xy}(29.6287, 0.5130, 0.3961)$

Have a look what the booklet for
Yxy(29.6287, 0.5130, 0.3961)
contains.

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Color

Yxy(29.6795, 0.5123, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	E17833
RGB	225, 120, 51
RGB Percent	88%, 47%, 20%
CMY	0.1176, 0.5294, 0.7998
CMYK	0.00, 0.47, 0.77, 0.12
HSL	24°, 74%, 54%
HSV	24°, 77%, 88%
XYZ	38.3669, 29.6795, 6.8451
YIQ	143.5290, 84.7290, 0.8010

Conversions

Conversions Part 2

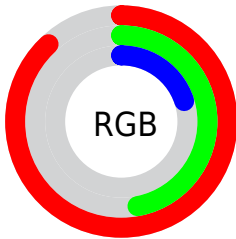
Format	Color
R_{YB}	225, 165, 51
Decimal	14776371
CIE Lab	61.38, 36.00, 53.88
CIE LCh	61, 64.805, 56.250
Yxy	29.6795, 0.5123, 0.3963
Android (android.graphics.Color)	4292966451 (0xFFE17833)
YUV	143.5290, -45.6168, 71.4501
Hunter-Lab	54.4789, 30.3711, 30.6856

Details

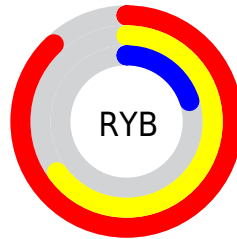
The Yxy color **29.6795, 0.5123, 0.3963** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **29.9379, 0.2029, 0.2261**, and the grayscale version is **27.8551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4914, 0.4491, 0.4011**, and **12.0428, 0.5615, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **26.4895, 0.5420, 0.3937**, and if you desaturate by 10%, it is **33.4321, 0.4800, 0.3939**.

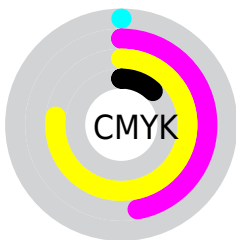
Distribution



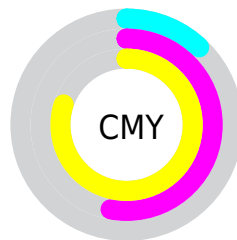
- Red (88%)
- Green (47%)
- Blue (20%)



- Red (88%)
- Yellow (65%)
- Blue (20%)



- Cyan (0%)
- Magenta (47%)
- Yellow (77%)
- Black (12%)





- Cyan (12%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6795, 0.5123, 0.3963 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 29.6795, 0.5123, 0.3963 by changing the saturation by 10% instead.


 29.6795, 0.5123,
0.3963


 29.6795, 0.5123,
0.3963


300.4077, 0.4096,
0.3723

 19.5954, 0.5361,
0.3972


 59.1550, 0.4757,
0.3910

 12.1013, 0.5644,
0.3950


 79.3151, 0.4616,
0.3879

 6.8127, 0.6069,
0.3923


 103.6028, 0.4496,
0.3849

 3.3453, 0.6351,
0.3649

 132.4024, 0.4393,
0.3820

 1.3145, 0.6788,
0.3212

 166.0983, 0.4303,
0.3793

 0.1524, 0.8719,
0.1281

 205.0749, 0.4225,

 0.0000, 0.0000,

0.3768

0.0000

249.7165, 0.4157,
0.3745

■ 29.6795, 0.5123,
0.3963

■ 29.6795, 0.5123,
0.3963

■ 26.4895, 0.5420,
0.3937

■ 33.4321, 0.4800,
0.3939

■ 23.8216, 0.5667,
0.3859

■ 37.7729, 0.4476,
0.3875

■ 23.1830, 0.5728,
0.3834

■ 42.7313, 0.4169,
0.3786

■ 48.3329, 0.3890,
0.3682

■ 54.6016, 0.3644,
0.3573

61.5600, 0.3430,
0.3465

69.2296, 0.3245,
0.3362

77.6308, 0.3087,
0.3265

86.7832, 0.2952,
0.3175

Harmonies

Analogous

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



29.6795, 0.5020, 0.3262



29.6795, 0.5123, 0.3963



29.6795, 0.4621, 0.4681

Triad

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



29.6795, 0.5123, 0.3963



29.6795, 0.2003, 0.4022



29.6795, 0.2238, 0.1839

Complementary

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



29.6795, 0.5123, 0.3963



29.9379, 0.2029, 0.2261

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.



29.6795, 0.1670, 0.1825



29.6795, 0.5123, 0.3963



29.6795, 0.1534, 0.2868

Square

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



29.6795, 0.5123, 0.3963



29.6795, 0.2824, 0.5040



29.6795, 0.1439, 0.2133



29.6795, 0.3156, 0.2119

Rectangle

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



29.6795, 0.5123, 0.3963



29.6795, 0.4081, 0.5078



29.6795, 0.1439, 0.2133



29.6795, 0.2008, 0.1803

Sweetspot

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



29.6811, 0.5123, 0.3963



76.2364, 0.3551, 0.3528



20.8604, 0.4098, 0.2224



15.6175, 0.3632, 0.3568



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.



29.6811, 0.5123, 0.3963



32.8579, 0.5583, 0.3893



59.7706, 0.4272, 0.4780



14.5875, 0.3282, 0.3383



13.5721, 0.5701, 0.3856



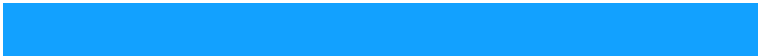
1.1120, 0.5418, 0.4080

Inverse Universe

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



29.9379, 0.2029, 0.2261



32.8378, 0.1902, 0.2012



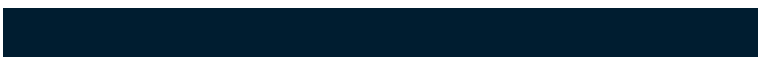
10.6931, 0.1718, 0.1066



14.6129, 0.2981, 0.3195



13.4840, 0.1873, 0.1941



1.1080, 0.1937, 0.2171

Previews

White Background



This preview shows how the Yxy color 29.6795, 0.5123, 0.3963 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 29.6795, 0.5123, 0.3963 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 29.6795, 0.5123, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 29.6795, 0.5123, 0.3963.



This preview shows how white text looks on a background with the Yxy color 29.6795, 0.5123, 0.3963.

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

29.6795, 0.5123, 0.3963

Protanopia

29.9177, 0.4152, 0.4557

Deuteranopia

29.6707, 0.4551, 0.4467



Tritanopia

29.6847, 0.4462, 0.3203

Trichromacy



Original Color

29.6795, 0.5123, 0.3963

Protanomaly

29.0273, 0.4517, 0.4328

Deuteranomaly

29.2597, 0.4770, 0.4266

Tritanomaly

29.6662, 0.4744, 0.3516

Monochromacy



Original Color

29.6795, 0.5123, 0.3963

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3380, 0.3851, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6795, 0.5123, 0.3963 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(225, 120, 51)` looks like.

```
.text, #text, p{  
    color:rgb(225, 120, 51)  
}
```

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(225, 120, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 120, 51) }
```

Border

The CSS property to change the border of an element to Yxy 29.6795, 0.5123, 0.3963 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(225, 120, 51) }
```

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

```
.border{ border-color:rgb(225, 120, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 120, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 120, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 120, 51);  
box-shadow:4px 4px 4px 4px rgb(225, 120,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6795, 0.5123, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 120, 51) }
```

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

```
.background{ background-color: rgb(225,  
120, 51) }
```

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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