

Converting Colors

$Y_{xy}(29.8378, 0.5201, 0.4325)$

Have a look what the booklet for
Yxy(29.8378, 0.5201, 0.4325)
contains.

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Color

Yxy(29.7777, 0.5164, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	D87F00
RGB	216, 127, 0
RGB Percent	85%, 50%, 0%
CMY	0.1529, 0.5020, 1.0000
CMYK	0.00, 0.41, 1.00, 0.15
HSL	35°, 100%, 42%
HSV	35°, 100%, 85%
XYZ	35.9113, 29.7777, 3.8526
YIQ	139.1330, 93.8110, -20.6290

Conversions

Conversions Part 2

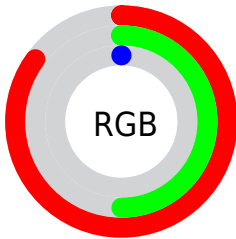
Format	Color
R_{YB}	151, 216, 0
Decimal	14188288
CIE Lab	61.46, 27.58, 67.90
CIE LCh	61, 73.283, 67.894
Yxy	29.7777, 0.5164, 0.4282
Android (android.graphics.Color)	4292378368 (0xFFD87F00)
YUV	139.1330, -68.5926, 67.4124
Hunter-Lab	54.5689, 21.9734, 34.0124

Details

The Yxy color **29.7777, 0.5164, 0.4282** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **12.1061, 0.1689, 0.1280**, and the grayscale version is **26.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3447, 0.4649, 0.4306**, and **12.2763, 0.5397, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **29.7794, 0.5164, 0.4282**, and if you desaturate by 10%, it is **32.2377, 0.5001, 0.4328**.

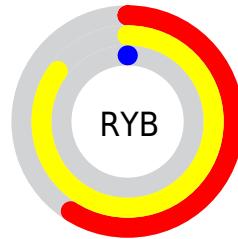
Distribution



Red (85%)

Green (50%)

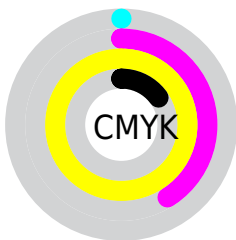
Blue (0%)



Red (59%)

Yellow (85%)

Blue (0%)

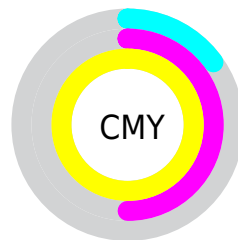


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7777, 0.5164, 0.4282 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 29.7777, 0.5164, 0.4282 by changing the saturation by 10% instead.


 29.7777, 0.5164,
0.4282

 29.7777, 0.5164,
0.4282


300.8669, 0.4170,
0.3920

 19.6699, 0.5363,
0.4299


 59.3104, 0.4831,
0.4200

 12.1553, 0.5611,
0.4301


 79.5042, 0.4696,
0.4154

 6.8496, 0.5814,
0.4186


 103.8287, 0.4578,
0.4108

 3.3682, 0.6040,
0.3960

 132.6684, 0.4475,
0.4065

 1.3268, 0.6405,
0.3595

 166.4077, 0.4384,
0.4024


 0.1618, 0.8363,
0.1637

 205.4309, 0.4304,

 0.0000, 0.0000,

0.3987

0.0000

 250.1225, 0.4233,
0.3952


 29.7777, 0.5164,
0.4282

 29.7777, 0.5164,
0.4282


 29.7794, 0.5164,
0.4282

 32.2377, 0.5001,
0.4328

 34.9672, 0.4807,
0.4326

 37.9938, 0.4586,
0.4272

 41.3338, 0.4349,
0.4176

 45.0015, 0.4110,
0.4048

■ 49.0098, 0.3879,
0.3902

■ 53.3709, 0.3663,
0.3746

■ 58.0958, 0.3465,
0.3589

■ 63.1951, 0.3286,
0.3436

Harmonies

Analogous

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



29.7777, 0.5381, 0.3506



29.7777, 0.5164, 0.4282



29.7777, 0.4400, 0.5074

Triad

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



29.7777, 0.5164, 0.4282



29.7777, 0.1621, 0.3559



29.7777, 0.2483, 0.1788

Complementary

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



29.7777, 0.5164, 0.4282



12.1061, 0.1689, 0.1280

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.



29.7777, 0.1719, 0.1655



29.7777, 0.5164, 0.4282



29.7777, 0.1298, 0.2416

Square

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



29.7777, 0.5164, 0.4282



29.7777, 0.2374, 0.4939



29.7777, 0.1341, 0.1828



29.7777, 0.3625, 0.2189

Rectangle

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



29.7777, 0.5164, 0.4282



29.7777, 0.3741, 0.5448



29.7777, 0.1341, 0.1828



29.7777, 0.2182, 0.1712

Sweetspot

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



29.7794, 0.5164, 0.4282



77.5243, 0.3669, 0.3750



15.3394, 0.5335, 0.2712



16.0027, 0.3759, 0.3817



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.



29.7794, 0.5164, 0.4282



43.0467, 0.5175, 0.4273



61.1267, 0.4046, 0.5169



13.6220, 0.3276, 0.3427



17.8411, 0.5145, 0.4297



1.2374, 0.4937, 0.4462

Inverse Universe

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



12.1061, 0.1689, 0.1280



17.3397, 0.1685, 0.1264



5.0872, 0.1523, 0.0613



12.8409, 0.2982, 0.3149



7.3657, 0.1697, 0.1309



0.6052, 0.1792, 0.1652

Previews

White Background



This preview shows how the Yxy color 29.7777, 0.5164, 0.4282 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 29.7777, 0.5164, 0.4282 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 29.7777, 0.5164, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 29.7777, 0.5164, 0.4282.



This preview shows how white text looks on a background with the Yxy color 29.7777, 0.5164, 0.4282.

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

29.7777, 0.5164, 0.4282

Protanopia

29.8602, 0.4374, 0.4837

Deuteranopia

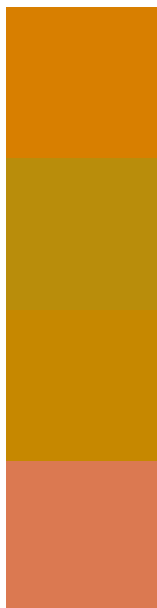
29.7411, 0.4718, 0.4636



Tritanopia

29.8613, 0.4282, 0.3186

Trichromacy



Original Color

29.7777, 0.5164, 0.4282

Protanomaly

29.3882, 0.4667, 0.4635

Deuteranomaly

29.6141, 0.4882, 0.4505

Tritanomaly

29.3289, 0.4792, 0.3744

Monochromacy



Original Color

29.7777, 0.5164, 0.4282

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.2480, 0.4024, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7777, 0.5164, 0.4282 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(216, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 127, 0)  
}
```

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(216, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.7777, 0.5164, 0.4282 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(216, 127, 0) }
```

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

```
.border{ border-color:rgb(216, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7777, 0.5164, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 127, 0) }
```

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

```
.background{ background-color: rgb(216,  
127, 0) }
```

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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