

Converting Colors

$Y_{xy}(27.1253, 0.5424, 0.4096)$

Have a look what the booklet for
Yxy(27.1253, 0.5424, 0.4096)
contains.

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Color

Yxy(27.1179, 0.5411, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	DE7000
RGB	222, 112, 0
RGB Percent	87%, 44%, 0%
CMY	0.1294, 0.5608, 0.9993
CMYK	0.00, 0.50, 1.00, 0.13
HSL	30°, 100%, 44%
HSV	30°, 100%, 87%
XYZ	35.9204, 27.1179, 3.3458
YIQ	132.1220, 101.5120, -11.5120

Conversions

Conversions Part 2

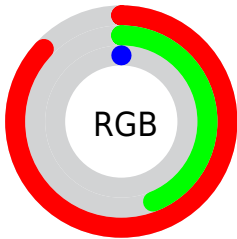
Format	Color
R_{YB}	218, 222, 0
Decimal	14577664
CIE _{Lab}	59.08, 37.86, 66.81
CIE _{LCh}	59, 76.793, 60.460
Yxy	27.1179, 0.5411, 0.4085
Android (android.graphics.Color)	4292767744 (0xFFDE7000)
YUV	132.1220, -65.1361, 78.8230
Hunter-Lab	52.0748, 31.9956, 32.6431

Details

The Yxy color **27.1179, 0.5411, 0.4085** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **16.4649, 0.1763, 0.1545**, and the grayscale version is **23.3408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5876, 0.4795, 0.4180**, and **10.8111, 0.5730, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **27.1003, 0.5412, 0.4084**, and if you desaturate by 10%, it is **29.7582, 0.5213, 0.4152**.

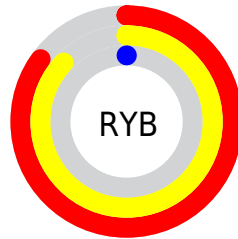
Distribution



Red (87%)

Green (44%)

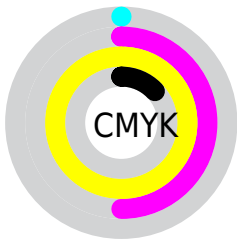
Blue (0%)



Red (85%)

Yellow (87%)

Blue (0%)

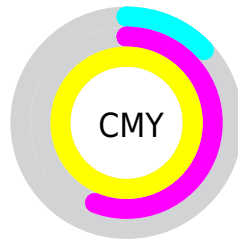


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1179, 0.5411, 0.4085 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 27.1179, 0.5411, 0.4085 by changing the saturation by 10% instead.

 27.1179, 0.5411,
0.4085

 27.1179, 0.5411,
0.4085


288.2275, 0.4273,
0.3849


 17.6618, 0.5645,
0.4062


 55.0730, 0.5025,
0.4056

 10.7074, 0.5961,
0.4024


 74.3408, 0.4870,
0.4027


 5.8705, 0.6185,
0.3815

 97.6479, 0.4735,
0.3995

 2.7665, 0.6501,
0.3499

 125.3788, 0.4618,
0.3963

 1.0111, 0.7006,
0.2994

 157.9178, 0.4515,
0.3932

 0.0000, 1.0000,
0.0000


 195.6493, 0.4425,


 0.0000, 0.0000,


0.3903


0.0000


 238.9577, 0.4345,
0.3875


 27.1179, 0.5411,
0.4085


 27.1179, 0.5411,
0.4085


 27.1003, 0.5412,
0.4084

 29.7582, 0.5213,
0.4152

 32.7720, 0.4977,
0.4170

 36.1922, 0.4714,
0.4134

 40.0405, 0.4439,
0.4056

 44.3360, 0.4169,
0.3946

■ 49.0967, 0.3914,
0.3819

■ 54.3387, 0.3681,
0.3683

■ 60.0777, 0.3472,
0.3547

■ 66.3282, 0.3288,
0.3414

Harmonies

Analogous

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



27.1179, 0.5476, 0.3297



27.1179, 0.5411, 0.4085



27.1179, 0.4682, 0.4955

Triad

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



27.1179, 0.5411, 0.4085



27.1179, 0.1669, 0.3959



27.1179, 0.2193, 0.1641

Complementary

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



27.1179, 0.5411, 0.4085



16.4649, 0.1763, 0.1545

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.



27.1179, 0.1503, 0.1573



27.1179, 0.5411, 0.4085



27.1179, 0.1235, 0.2581

Square

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



27.1179, 0.5411, 0.4085



27.1179, 0.2553, 0.5375



27.1179, 0.1201, 0.1835



27.1179, 0.3325, 0.1992

Rectangle

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



27.1179, 0.5411, 0.4085



27.1179, 0.4009, 0.5469



27.1179, 0.1201, 0.1835



27.1179, 0.1914, 0.1585

Sweetspot

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



27.1194, 0.5411, 0.4085



74.1537, 0.3688, 0.3687



16.6838, 0.4983, 0.2519



15.2037, 0.3784, 0.3746



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.



27.1194, 0.5411, 0.4085



36.8422, 0.5424, 0.4075



67.7761, 0.4193, 0.5052



14.8368, 0.3279, 0.3408



16.3191, 0.5390, 0.4102



1.3103, 0.5156, 0.4288

Inverse Universe

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



16.4649, 0.1763, 0.1545



22.2571, 0.1759, 0.1531



5.2790, 0.1500, 0.0601



14.3604, 0.2981, 0.3169



9.9897, 0.1770, 0.1570



0.8715, 0.1848, 0.1851

Previews

White Background



This preview shows how the Yxy color 27.1179, 0.5411, 0.4085 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 27.1179, 0.5411, 0.4085 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 27.1179, 0.5411, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 27.1179, 0.5411, 0.4085.



This preview shows how white text looks on a background with the Yxy color 27.1179, 0.5411, 0.4085.

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

27.1179, 0.5411, 0.4085

Protanopia

27.2690, 0.4362, 0.4827

Deuteranopia

27.0312, 0.4716, 0.4638



Tritanopia

27.0559, 0.4620, 0.3216

Trichromacy



Original Color

27.1179, 0.5411, 0.4085

Protanomaly

26.5964, 0.4764, 0.4550

Deuteranomaly

26.7808, 0.4978, 0.4430

Tritanomaly

26.8176, 0.5078, 0.3667

Monochromacy



Original Color

27.1179, 0.5411, 0.4085

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3067, 0.4119, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1179, 0.5411, 0.4085 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(222, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 112, 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(222, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.1179, 0.5411, 0.4085 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(222, 112, 0) }
```

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

```
.border{ border-color:rgb(222, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1179, 0.5411, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 112, 0) }
```

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

```
.background{ background-color: rgb(222,  
112, 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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