

Converting Colors

$Y_{xy}(27.6900, 0.5227, 0.4065)$

Have a look what the booklet for
Yxy(27.6900, 0.5227, 0.4065)
contains.

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Color

Yxy(27.7323, 0.5217, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	DA7520
RGB	218, 117, 32
RGB Percent	85%, 46%, 13%
CMY	0.1450, 0.5412, 0.8743
CMYK	0.00, 0.46, 0.85, 0.15
HSL	27°, 74%, 49%
HSV	27°, 85%, 85%
XYZ	35.5390, 27.7323, 4.8503
YIQ	137.5090, 87.4810, -5.0230

Conversions

Conversions Part 2

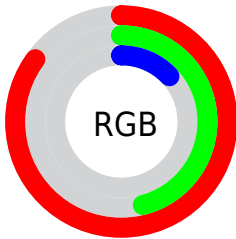
Format	Color
R_{YB}	218, 189, 32
Decimal	14316832
CIE _{Lab}	59.65, 34.15, 59.53
CIE _{LCh}	60, 68.628, 60.156
Yxy	27.7323, 0.5217, 0.4071
Android (android.graphics.Color)	4292506912 (0xFFDA7520)
YUV	137.5090, -52.0159, 70.5906
Hunter-Lab	52.6615, 28.3047, 31.4023

Details

The Yxy color **27.7323, 0.5217, 0.4071** 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 **22.1663, 0.1911, 0.1957**, and the grayscale version is **25.3985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6653, 0.4644, 0.4110**, and **11.0822, 0.5591, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **25.0643, 0.5451, 0.4014**, and if you desaturate by 10%, it is **30.8308, 0.4942, 0.4073**.

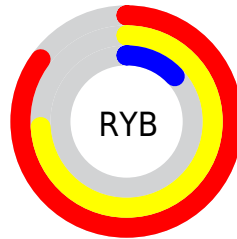
Distribution



Red (85%)

Green (46%)

Blue (13%)



Red (85%)

Yellow (74%)

Blue (13%)

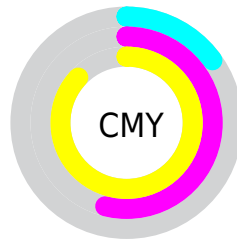


Cyan (0%)

Magenta (46%)

Yellow (85%)

Black (15%)



Cyan (15%)


Magenta (54%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7323, 0.5217, 0.4071 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 27.7323, 0.5217, 0.4071 by changing the saturation by 10% instead.


 27.7323, 0.5217,
0.4071


 27.7323, 0.5217,
0.4071


291.1855, 0.4152,
0.3797


 18.1240, 0.5452,
0.4075


 56.0568, 0.4845,
0.4015


 11.0390, 0.5730,
0.4044


 75.5417, 0.4699,
0.3979


 6.0931, 0.6057,
0.3943

 99.0876, 0.4573,
0.3944

 2.9018, 0.6344,
0.3656

 127.0788, 0.4465,
0.3911

 1.0807, 0.6807,
0.3193

 159.8999, 0.4371,
0.3879

 0.0000, 1.0000,
0.0000

 197.9351, 0.4289,

 0.0000, 0.0000,

0.3850

0.0000

241.5688, 0.4217,
0.3822

■ 27.7323, 0.5217,
0.4071

■ 27.7323, 0.5217,
0.4071

■ 25.0643, 0.5451,
0.4014

■ 30.8308, 0.4942,
0.4073

■ 23.9415, 0.5551,
0.3975

■ 34.3809, 0.4648,
0.4026

■ 38.4068, 0.4353,
0.3942

■ 42.9290, 0.4074,
0.3835

■ 47.9665, 0.3817,
0.3714

■ 53.5372, 0.3588,
0.3589

■ 59.6579, 0.3386,
0.3467

■ 66.3445, 0.3210,
0.3349

■ 73.6125, 0.3058,
0.3239

Harmonies

Analogous

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



27.7323, 0.5227, 0.3330



27.7323, 0.5217, 0.4071



27.7323, 0.4596, 0.4843

Triad

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



27.7323, 0.5217, 0.4071



27.7323, 0.1826, 0.3904



27.7323, 0.2279, 0.1773

Complementary

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



27.7323, 0.5217, 0.4071



22.1663, 0.1911, 0.1957

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.



27.7323, 0.1635, 0.1717



27.7323, 0.5217, 0.4071



27.7323, 0.1398, 0.2688

Square

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



27.7323, 0.5217, 0.4071



27.7323, 0.2653, 0.5110



27.7323, 0.1352, 0.1982



27.7323, 0.3303, 0.2101

Rectangle

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



27.7323, 0.5217, 0.4071



27.7323, 0.3992, 0.5265



27.7323, 0.1352, 0.1982



27.7323, 0.2021, 0.1723

Sweetspot

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



27.7338, 0.5217, 0.4071



75.5756, 0.3608, 0.3601



17.6742, 0.4457, 0.2333



15.5687, 0.3686, 0.3645



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.



27.7338, 0.5217, 0.4071



33.8607, 0.5565, 0.3964



60.4732, 0.4231, 0.4929



14.0265, 0.3280, 0.3397



14.5513, 0.5526, 0.3994



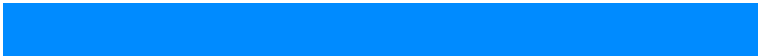
1.1136, 0.5254, 0.4210

Inverse Universe

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



22.1663, 0.1911, 0.1957



25.5478, 0.1804, 0.1693



6.9813, 0.1598, 0.0793



13.7834, 0.2982, 0.3181



11.0731, 0.1815, 0.1732



0.8889, 0.1891, 0.2007

Previews

White Background



This preview shows how the Yxy color 27.7323, 0.5217, 0.4071 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 27.7323, 0.5217, 0.4071 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 27.7323, 0.5217, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 27.7323, 0.5217, 0.4071.



This preview shows how white text looks on a background with the Yxy color 27.7323, 0.5217, 0.4071.

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

27.7323, 0.5217, 0.4071

Protanopia

27.7744, 0.4281, 0.4710

Deuteranopia

27.8869, 0.4665, 0.4587



Tritanopia

27.7512, 0.4476, 0.3201

Trichromacy



Original Color

27.7323, 0.5217, 0.4071

Protanomaly

27.1227, 0.4637, 0.4470

Deuteranomaly

27.6333, 0.4876, 0.4395

Tritanomaly

27.6324, 0.4837, 0.3584

Monochromacy



Original Color

27.7323, 0.5217, 0.4071

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.0816, 0.3934, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7323, 0.5217, 0.4071 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(218, 117, 32)` looks like.

```
.text, #text, p{  
    color:rgb(218, 117, 32)  
}
```

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(218, 117, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 117, 32) }
```

Border

The CSS property to change the border of an element to Yxy 27.7323, 0.5217, 0.4071 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(218, 117, 32) }
```

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

```
.border{ border-color:rgb(218, 117, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 117, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 117, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 117, 32);  
box-shadow:4px 4px 4px 4px rgb(218, 117,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7323, 0.5217, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 117, 32) }
```

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

```
.background{ background-color: rgb(218,  
117, 32) }
```

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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