

Converting Colors

$Y_{xy}(29.7764, 0.5082, 0.4055)$

Have a look what the booklet for
Yxy(29.7764, 0.5082, 0.4055)
contains.

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Color

Yxy(29.7353, 0.5089, 0.4047)

Conversions

Conversions Part 1

Format	Color
Hex	DD7B2E
RGB	221, 123, 46
RGB Percent	87%, 48%, 18%
CMY	0.1334, 0.5176, 0.8198
CMYK	0.00, 0.44, 0.79, 0.13
HSL	26°, 72%, 52%
HSV	26°, 79%, 87%
XYZ	37.3914, 29.7353, 6.3482
YIQ	143.5240, 83.1250, -3.1710

Conversions

Conversions Part 2

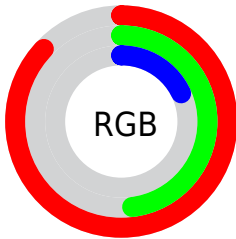
Format	Color
R _Y B	221, 184, 46
Decimal	14514990
CIE _{Lab}	61.43, 32.64, 55.94
CIE _{LCh}	61, 64.764, 59.740
Y _{xy}	29.7353, 0.5089, 0.4047
Android (android.graphics.Color)	4292705070 (0xFFDD7B2E)
YUV	143.5240, -48.0793, 67.9465
Hunter-Lab	54.5301, 26.9702, 31.2687

Details

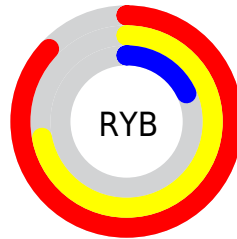
The Yxy color **29.7353, 0.5089, 0.4047** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **25.7227, 0.1979, 0.2109**, and the grayscale version is **27.8599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1737, 0.4513, 0.4073**, and **12.2387, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **26.7274, 0.5358, 0.4020**, and if you desaturate by 10%, it is **33.2237, 0.4791, 0.4022**.

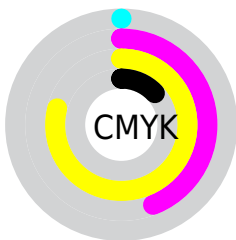
Distribution



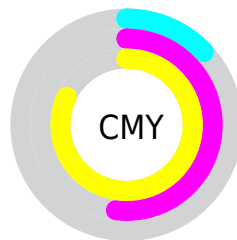
- Red (87%)
- Green (48%)
- Blue (18%)



- Red (87%)
- Yellow (72%)
- Blue (18%)



- Cyan (0%)
- Magenta (44%)
- Yellow (79%)
- Black (13%)





- Cyan (13%)
- Magenta (52%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7353, 0.5089, 0.4047 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 29.7353, 0.5089, 0.4047 by changing the saturation by 10% instead.


 29.7353, 0.5089,
0.4047


 29.7353, 0.5089,
0.4047


300.6687, 0.4087,
0.3765

 19.6378, 0.5317,
0.4065


 59.2433, 0.4735,
0.3980


 12.1320, 0.5585,
0.4052


 79.4226, 0.4597,
0.3943

 6.8336, 0.5971,
0.4029


 103.7312, 0.4480,
0.3908

 3.3583, 0.6229,
0.3771

 132.5536, 0.4379,
0.3874

 1.3215, 0.6639,
0.3361

 166.2742, 0.4291,
0.3844

 0.1578, 0.8577,
0.1423

 205.2773, 0.4214,

 0.0000, 0.0000,

0.3815

0.0000

249.9473, 0.4146,
0.3789

■ 29.7353, 0.5089,
0.4047

■ 29.7353, 0.5089,
0.4047

■ 26.7274, 0.5358,
0.4020

■ 33.2237, 0.4791,
0.4022

■ 24.1614, 0.5583,
0.3942


■ 37.2136, 0.4487,
0.3955

■ 23.9743, 0.5600,
0.3935


■ 41.7299, 0.4193,
0.3859

■ 46.7939, 0.3922,
0.3746

■ 52.4256, 0.3678,
0.3626

 58.6438, 0.3464,
0.3507

 65.4663, 0.3277,
0.3391

 72.9101, 0.3115,
0.3282

 80.9914, 0.2976,
0.3180

Harmonies

Analogous

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



29.7353, 0.5066, 0.3341



29.7353, 0.5089, 0.4047



29.7353, 0.4535, 0.4758

Triad

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



29.7353, 0.5089, 0.4047



29.7353, 0.1929, 0.3877



29.7353, 0.2328, 0.1859

Complementary

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



29.7353, 0.5089, 0.4047



25.7227, 0.1979, 0.2109

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.



29.7353, 0.1719, 0.1813



29.7353, 0.5089, 0.4047



29.7353, 0.1507, 0.2758

Square

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



29.7353, 0.5089, 0.4047



29.7353, 0.2717, 0.4956



29.7353, 0.1451, 0.2079



29.7353, 0.3281, 0.2168

Rectangle

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



29.7353, 0.5089, 0.4047



29.7353, 0.3977, 0.5128



29.7353, 0.1451, 0.2079



29.7353, 0.2085, 0.1813

Sweetspot

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



29.7369, 0.5089, 0.4047



76.7244, 0.3567, 0.3566



19.3690, 0.4277, 0.2307



15.7723, 0.3646, 0.3609



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.



29.7369, 0.5089, 0.4047



34.5792, 0.5509, 0.3972



61.3243, 0.4217, 0.4862



13.9902, 0.3281, 0.3393



14.1463, 0.5574, 0.3956



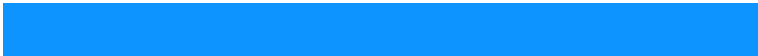
1.0862, 0.5294, 0.4179

Inverse Universe

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



25.7227, 0.1979, 0.2109



28.5912, 0.1849, 0.1832



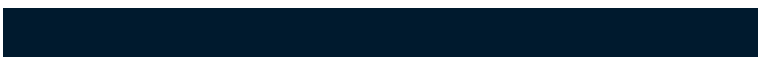
8.7875, 0.1672, 0.0938



13.8201, 0.2982, 0.3185



11.5924, 0.1830, 0.1789



0.9217, 0.1905, 0.2056

Previews

White Background



This preview shows how the Yxy color 29.7353, 0.5089, 0.4047 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 29.7353, 0.5089, 0.4047 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 29.7353, 0.5089, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 29.7353, 0.5089, 0.4047.



This preview shows how white text looks on a background with the Yxy color 29.7353, 0.5089, 0.4047.

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

29.7353, 0.5089, 0.4047

Protanopia

29.8589, 0.4193, 0.4617

Deuteranopia

29.7610, 0.4589, 0.4495



Tritanopia

29.6991, 0.4393, 0.3201

Trichromacy



Original Color

29.7353, 0.5089, 0.4047

Protanomaly

29.4256, 0.4526, 0.4409

Deuteranomaly

29.3595, 0.4779, 0.4318

Tritanomaly

29.6304, 0.4711, 0.3553

Monochromacy



Original Color

29.7353, 0.5089, 0.4047

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.4617, 0.3856, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7353, 0.5089, 0.4047 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(221, 123, 46)` looks like.

```
.text, #text, p{  
    color:rgb(221, 123, 46)  
}
```

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(221, 123, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 123, 46) }
```

Border

The CSS property to change the border of an element to Yxy 29.7353, 0.5089, 0.4047 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(221, 123, 46) }
```

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

```
.border{ border-color:rgb(221, 123, 46) }
```

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

Here you see how a box with a 4 pixel rgb(221, 123, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 123, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 123, 46);  
box-shadow:4px 4px 4px 4px rgb(221, 123,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7353, 0.5089, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 123, 46) }
```

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

```
.background{ background-color: rgb(221,  
123, 46) }
```

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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