

Converting Colors

$Y_{xy}(27.3169, 0.5323, 0.3994)$

Have a look what the booklet for
Yxy(27.3169, 0.5323, 0.3994)
contains.

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Color

Yxy(27.3752, 0.5324, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	DF701F
RGB	223, 112, 31
RGB Percent	87%, 44%, 12%
CMY	0.1255, 0.5608, 0.8784
CMYK	0.00, 0.50, 0.86, 0.13
HSL	25°, 76%, 50%
HSV	25°, 86%, 87%
XYZ	36.4729, 27.3752, 4.6584
YIQ	135.9550, 92.1570, -1.6590

Conversions

Conversions Part 2

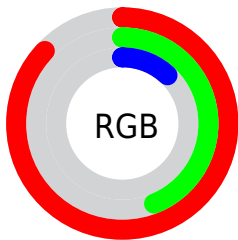
Format	Color
R_{YB}	223, 171, 31
Decimal	14643231
CIE _{Lab}	59.32, 38.69, 59.91
CIE _{LCh}	59, 71.316, 57.149
Yxy	27.3752, 0.5324, 0.3996
Android (android.graphics.Color)	4292833311 (0xFFDF701F)
YUV	135.9550, -51.7428, 76.3385
Hunter-Lab	52.3213, 32.8689, 31.3460

Details

The Yxy color **27.3752, 0.5324, 0.3996** 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 **24.9657, 0.1932, 0.2048**, and the grayscale version is **24.7760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8104, 0.4693, 0.4069**, and **10.9146, 0.5738, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **24.6524, 0.5568, 0.3927**, and if you desaturate by 10%, it is **30.5894, 0.5034, 0.4010**.

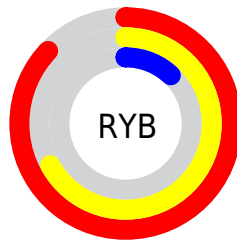
Distribution



Red (87%)

Green (44%)

Blue (12%)



Red (87%)

Yellow (67%)

Blue (12%)

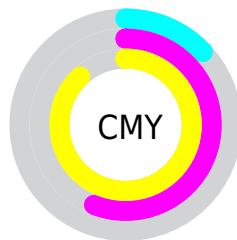


Cyan (0%)

Magenta (50%)

Yellow (86%)

Black (13%)



Cyan (13%)


Magenta (56%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3752, 0.5324, 0.3996 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 27.3752, 0.5324, 0.3996 by changing the saturation by 10% instead.

 27.3752, 0.5324,
0.3996


 27.3752, 0.5324,
0.3996


289.4692, 0.4203,
0.3773


 17.8552, 0.5572,
0.3984


 55.4854, 0.4932,
0.3961


 10.8461, 0.5868,
0.3932


 74.8443, 0.4778,
0.3933

 5.9634, 0.6204,
0.3796

 98.2517, 0.4646,
0.3904

 2.8229, 0.6521,
0.3479

 126.0920, 0.4532,
0.3875

 1.0400, 0.7025,
0.2975

 158.7494, 0.4433,
0.3847

 0.0000, 1.0000,
0.0000

 196.6085, 0.4347,

 0.0000, 0.0000,

0.3821

0.0000

240.0537, 0.4270,
0.3796

■ 27.3752, 0.5324,
0.3996

■ 27.3752, 0.5324,
0.3996

■ 24.6524, 0.5568,
0.3927

■ 30.5894, 0.5034,
0.4010

■ 23.7073, 0.5654,
0.3892

■ 34.3212, 0.4723,
0.3975

■ 38.5992, 0.4412,
0.3902

■ 43.4480, 0.4118,
0.3804

■ 48.8902, 0.3850,
0.3693

■ 54.9472, 0.3612,
0.3577

■ 61.6391, 0.3404,
0.3463

■ 68.9850, 0.3224,
0.3353

■ 77.0032, 0.3070,
0.3251

Harmonies

Analogous

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



27.3752, 0.5269, 0.3245



27.3752, 0.5324, 0.3996



27.3752, 0.4716, 0.4803

Triad

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



27.3752, 0.5324, 0.3996



27.3752, 0.1842, 0.4075



27.3752, 0.2161, 0.1707

Complementary

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



27.3752, 0.5324, 0.3996



24.9657, 0.1932, 0.2048

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.



27.3752, 0.1542, 0.1677



27.3752, 0.5324, 0.3996



27.3752, 0.1366, 0.2759

Square

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



27.3752, 0.5324, 0.3996



27.3752, 0.2724, 0.5285



27.3752, 0.1287, 0.1981



27.3752, 0.3185, 0.2016

Rectangle

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



27.3752, 0.5324, 0.3996



27.3752, 0.4104, 0.5279



27.3752, 0.1287, 0.1981



27.3752, 0.1910, 0.1665

Sweetspot

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



27.3767, 0.5324, 0.3996



74.3773, 0.3614, 0.3578



18.6516, 0.4363, 0.2268



15.2867, 0.3694, 0.3619



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.



27.3767, 0.5324, 0.3996



31.8968, 0.5667, 0.3882



60.4123, 0.4288, 0.4889



14.6462, 0.3281, 0.3389



14.1527, 0.5628, 0.3913



1.1554, 0.5355, 0.4130

Inverse Universe

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



24.9657, 0.1932, 0.2048



28.2182, 0.1838, 0.1817



7.6529, 0.1601, 0.0822



14.5528, 0.2981, 0.3189



12.5803, 0.1848, 0.1851



1.0481, 0.1915, 0.2095

Previews

White Background



This preview shows how the Yxy color 27.3752, 0.5324, 0.3996 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 27.3752, 0.5324, 0.3996 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 27.3752, 0.5324, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 27.3752, 0.5324, 0.3996.



This preview shows how white text looks on a background with the Yxy color 27.3752, 0.5324, 0.3996.

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

27.3752, 0.5324, 0.3996

Protanopia

27.6701, 0.4269, 0.4718

Deuteranopia

27.4666, 0.4682, 0.4601



Tritanopia

27.4418, 0.4610, 0.3216

Trichromacy



Original Color

27.3752, 0.5324, 0.3996

Protanomaly

26.8203, 0.4683, 0.4432

Deuteranomaly

26.9686, 0.4936, 0.4366

Tritanomaly

27.3572, 0.4945, 0.3562

Monochromacy



Original Color

27.3752, 0.5324, 0.3996

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3854, 0.3978, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3752, 0.5324, 0.3996 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(223, 112, 31)` looks like.

```
.text, #text, p{  
    color:rgb(223, 112, 31)  
}
```

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(223, 112, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 112, 31) }
```

Border

The CSS property to change the border of an element to Yxy 27.3752, 0.5324, 0.3996 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(223, 112, 31) }
```

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

```
.border{ border-color:rgb(223, 112, 31) }
```

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

Here you see how a box with a 4 pixel rgb(223, 112, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 112, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 112, 31);  
box-shadow:4px 4px 4px 4px rgb(223, 112,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3752, 0.5324, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 112, 31) }
```

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

```
.background{ background-color: rgb(223,  
112, 31) }
```

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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