

Converting Colors

$Y_{xy}(22.6915, 0.5768, 0.3884)$

Have a look what the booklet for
Yxy(22.6915, 0.5768, 0.3884)
contains.

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Color

Yxy(22.6744, 0.5714, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	DE5900
RGB	222, 89, 0
RGB Percent	87%, 35%, 0%
CMY	0.1294, 0.6509, 1.0000
CMYK	0.00, 0.60, 1.00, 0.13
HSL	24°, 100%, 44%
HSV	24°, 100%, 87%
XYZ	33.6961, 22.6744, 2.6006
YIQ	118.6210, 107.8370, 0.5170

Conversions

Conversions Part 2

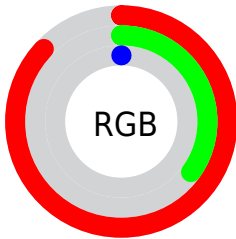
Format	Color
R _Y B	222, 149, 0
Decimal	14571776
CIE Lab	54.74, 48.98, 64.36
CIE LCh	55, 80.879, 52.727
Yxy	22.6744, 0.5714, 0.3845
Android (android.graphics.Color)	4292761856 (0xFFDE5900)
YUV	118.6210, -58.4802, 90.6634
Hunter-Lab	47.6176, 42.9827, 30.0942

Details

The Yxy color **22.6744, 0.5714, 0.3845** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **22.0465, 0.1862, 0.1903**, and the grayscale version is **18.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2751, 0.5031, 0.3994**, and **8.4132, 0.6130, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **22.6752, 0.5714, 0.3845**, and if you desaturate by 10%, it is **25.1516, 0.5479, 0.3931**.

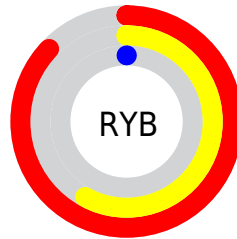
Distribution



Red (87%)

Green (35%)

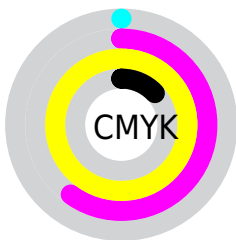
Blue (0%)



Red (87%)

Yellow (58%)

Blue (0%)

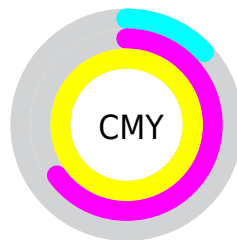


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6744, 0.5714, 0.3845 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 22.6744, 0.5714, 0.3845 by changing the saturation by 10% instead.


 22.6744, 0.5714,
0.3845


 22.6744, 0.5714,
0.3845


266.0482, 0.4387,
0.3760


 14.3533, 0.5995,
0.3770


 47.8581, 0.5256,
0.3882


 8.3668, 0.6354,
0.3646


 65.4895, 0.5074,
0.3874


 4.3305, 0.6654,
0.3346

 86.9931, 0.4917,
0.3859

 1.8601, 0.7095,
0.2905

 112.7534, 0.4781,
0.3840

 0.5242, 0.7935,
0.2065

 143.1546, 0.4663,
0.3820

 0.0000, 1.0000,
0.0000

 178.5812, 0.4559,

 0.0000, 0.0000,

0.3800


0.0000


 219.4176, 0.4468,
0.3780


 22.6744, 0.5714,
0.3845


 22.6744, 0.5714,
0.3845

 22.6752, 0.5714,
0.3845

 25.1516, 0.5479,
0.3931

 28.1148, 0.5195,
0.3970

 31.6058, 0.4879,
0.3957

 35.6546, 0.4555,
0.3902

 40.2882, 0.4245,
0.3817

■ 45.5314, 0.3959,
0.3715

■ 51.4075, 0.3705,
0.3606

■ 57.9383, 0.3483,
0.3496

■ 65.1445, 0.3292,
0.3390

Harmonies

Analogous

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



22.6744, 0.5586, 0.3048



22.6744, 0.5714, 0.3845



22.6744, 0.5014, 0.4778

Triad

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



22.6744, 0.5714, 0.3845



22.6744, 0.1715, 0.4510



22.6744, 0.1864, 0.1464

Complementary

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



22.6744, 0.5714, 0.3845



22.0465, 0.1862, 0.1903

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.



22.6744, 0.1258, 0.1466



22.6744, 0.5714, 0.3845



22.6744, 0.1148, 0.2803

Square

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



22.6744, 0.5714, 0.3845



22.6744, 0.2745, 0.5882



22.6744, 0.1032, 0.1837



22.6744, 0.2969, 0.1759

Rectangle

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



22.6744, 0.5714, 0.3845



22.6744, 0.4309, 0.5431



22.6744, 0.1032, 0.1837



22.6744, 0.1612, 0.1431

Sweetspot

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



22.6757, 0.5714, 0.3845



70.1799, 0.3711, 0.3609



17.2282, 0.4560, 0.2286



14.2686, 0.3815, 0.3656



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.



22.6757, 0.5714, 0.3845



30.8100, 0.5727, 0.3835



56.7441, 0.4383, 0.4902



14.5980, 0.3282, 0.3384



13.6732, 0.5688, 0.3866



1.1197, 0.5407, 0.4089

Inverse Universe

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



22.0465, 0.1862, 0.1903



29.9240, 0.1859, 0.1892



5.8555, 0.1517, 0.0659



14.6021, 0.2981, 0.3194



13.3183, 0.1868, 0.1925



1.0971, 0.1933, 0.2157

Previews

White Background



This preview shows how the Yxy color 22.6744, 0.5714, 0.3845 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 22.6744, 0.5714, 0.3845 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 22.6744, 0.5714, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 22.6744, 0.5714, 0.3845.



This preview shows how white text looks on a background with the Yxy color 22.6744, 0.5714, 0.3845.

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

22.6744, 0.5714, 0.3845

Protanopia

22.8564, 0.4334, 0.4807

Deuteranopia

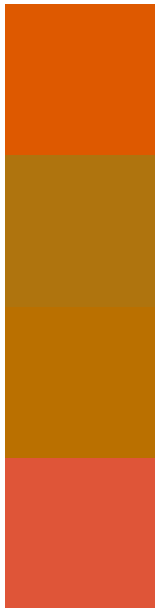
22.7742, 0.4705, 0.4646



Tritanopia

22.7384, 0.5079, 0.3245

Trichromacy



Original Color

22.6744, 0.5714, 0.3845

Protanomaly

21.6364, 0.4902, 0.4419

Deuteranomaly

22.0274, 0.5112, 0.4323

Tritanomaly

22.4705, 0.5448, 0.3559

Monochromacy



Original Color

22.6744, 0.5714, 0.3845

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3148, 0.4246, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6744, 0.5714, 0.3845 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, 89, 0)` looks like.

```
.text, #text, p{  
  color:rgb(222, 89, 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, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.6744, 0.5714, 0.3845 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, 89, 0) }
```

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

```
.border{ border-color:rgb(222, 89, 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, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.6744, 0.5714, 0.3845$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 89, 0) }
```

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

```
.background{ background-color: rgb(222, 89,  
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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