

Converting Colors

$Y_{xy}(22.0686, 0.5675, 0.3821)$

Have a look what the booklet for
Yxy(22.0686, 0.5675, 0.3821)
contains.

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Color

Yxy(22.0686, 0.5675, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	DB580D
RGB	219, 88, 13
RGB Percent	86%, 35%, 5%
CMY	0.1412, 0.6549, 0.9492
CMYK	0.00, 0.60, 0.94, 0.14
HSL	22°, 89%, 45%
HSV	22°, 94%, 86%
XYZ	32.7766, 22.0686, 2.9109
YIQ	118.6190, 102.1510, 4.4470

Conversions

Conversions Part 2

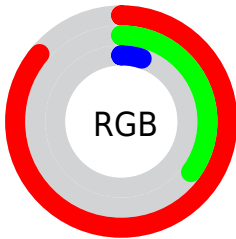
Format	Color
R_{YB}	219, 131, 13
Decimal	14374925
CIE _{Lab}	54.10, 48.47, 61.06
CIE _{LCh}	54, 77.960, 51.555
Yxy	22.0686, 0.5675, 0.3821
Android (android.graphics.Color)	4292565005 (0xFFDB580D)
YUV	118.6190, -52.0702, 88.0341
Hunter-Lab	46.9772, 42.3314, 29.2102

Details

The Yxy color **22.0686, 0.5675, 0.3821** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **25.1293, 0.1930, 0.2117**, and the grayscale version is **18.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0357, 0.5007, 0.3952**, and **8.1556, 0.6135, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **20.7652, 0.5814, 0.3765**, and if you desaturate by 10%, it is **24.6697, 0.5398, 0.3887**.

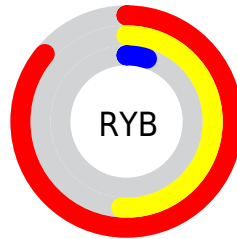
Distribution



Red (86%)

Green (35%)

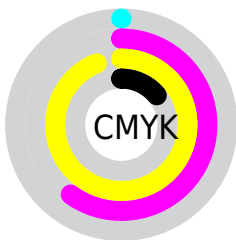
Blue (5%)



Red (86%)

Yellow (51%)

Blue (5%)

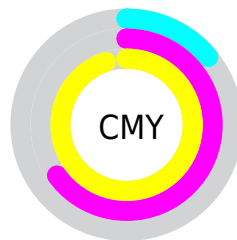


Cyan (0%)

Magenta (60%)

Yellow (94%)

Black (14%)



Cyan (14%)


Magenta (65%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0686, 0.5675, 0.3821 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 22.0686, 0.5675, 0.3821 by changing the saturation by 10% instead.


 22.0686, 0.5675,
0.3821


 22.0686, 0.5675,
0.3821


262.9043, 0.4348,
0.3732


 13.9073, 0.5965,
0.3752


 46.8594, 0.5210,
0.3852


 8.0562, 0.6357,
0.3643

 64.2576, 0.5028,
0.3843


 4.1309, 0.6661,
0.3339

 85.5036, 0.4871,
0.3828

 1.7471, 0.7113,
0.2887

 110.9818, 0.4736,
0.3810

 0.4539, 0.8051,
0.1949

 141.0766, 0.4619,
0.3790


 0.0000, 1.0000,
0.0000


 176.1724, 0.4517,


 0.0000, 0.0000,


0.3770

0.0000


 216.6535, 0.4428,
0.3751


 22.0686, 0.5675,
0.3821


 22.0686, 0.5675,
0.3821

 20.7652, 0.5814,
0.3765

 24.6697, 0.5398,
0.3887

 27.8099, 0.5075,
0.3901

 31.5251, 0.4734,
0.3869

 35.8460, 0.4400,
0.3804

 40.8009, 0.4091,
0.3716

■ 46.4159, 0.3816,
0.3619

■ 52.7157, 0.3575,
0.3518

■ 59.7234, 0.3368,
0.3420

■ 67.4611, 0.3192,
0.3326

Harmonies

Analogous

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



22.0686, 0.5498, 0.3034



22.0686, 0.5675, 0.3821



22.0686, 0.5026, 0.4730

Triad

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



22.0686, 0.5675, 0.3821



22.0686, 0.1784, 0.4545



22.0686, 0.1860, 0.1491

Complementary

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



22.0686, 0.5675, 0.3821



25.1293, 0.1930, 0.2117

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.



22.0686, 0.1276, 0.1508



22.0686, 0.5675, 0.3821



22.0686, 0.1200, 0.2875

Square

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



22.0686, 0.5675, 0.3821



22.0686, 0.2813, 0.5825



22.0686, 0.1066, 0.1896



22.0686, 0.2924, 0.1771

Rectangle

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



22.0686, 0.5675, 0.3821



22.0686, 0.4347, 0.5362



22.0686, 0.1066, 0.1896



22.0686, 0.1617, 0.1462

Sweetspot

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



22.0699, 0.5675, 0.3821



70.6041, 0.3671, 0.3560



17.4500, 0.4265, 0.2150



14.2960, 0.3777, 0.3604



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.



22.0699, 0.5675, 0.3821



29.0690, 0.5829, 0.3754



51.0967, 0.4456, 0.4814



13.8242, 0.3282, 0.3376



12.5031, 0.5787, 0.3787



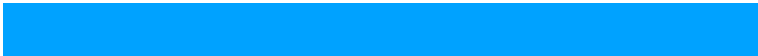
0.9708, 0.5477, 0.4033

Inverse Universe

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



25.1293, 0.1930, 0.2117



33.1002, 0.1896, 0.2025



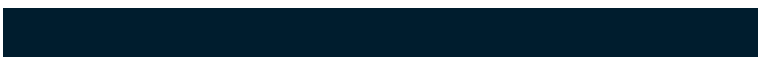
6.9903, 0.1565, 0.0790



13.9904, 0.2982, 0.3203



14.2356, 0.1905, 0.2057



1.0841, 0.1967, 0.2281

Previews

White Background



This preview shows how the Yxy color 22.0686, 0.5675, 0.3821 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 22.0686, 0.5675, 0.3821 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 22.0686, 0.5675, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 22.0686, 0.5675, 0.3821.



This preview shows how white text looks on a background with the Yxy color 22.0686, 0.5675, 0.3821.

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

22.0686, 0.5675, 0.3821

Protanopia

22.1508, 0.4318, 0.4777

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.0949, 0.5074, 0.3244

Trichromacy



Original Color

22.0686, 0.5675, 0.3821

Protanomaly

21.1998, 0.4869, 0.4393

Deuteranomaly

21.3532, 0.5110, 0.4301

Tritanomaly

21.8825, 0.5393, 0.3523

Monochromacy



Original Color

22.0686, 0.5675, 0.3821

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2729, 0.4179, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0686, 0.5675, 0.3821 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(219, 88, 13)` looks like.

```
.text, #text, p{  
    color:rgb(219, 88, 13)  
}
```

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(219, 88, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 88, 13) }
```

Border

The CSS property to change the border of an element to Yxy 22.0686, 0.5675, 0.3821 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(219, 88, 13) }
```

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

```
.border{ border-color:rgb(219, 88, 13) }
```

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

Here you see how a box with a 4 pixel rgb(219, 88, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 88, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 88, 13);  
box-shadow:4px 4px 4px 4px rgb(219, 88,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0686, 0.5675, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 88, 13) }
```

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

```
.background{ background-color: rgb(219, 88,  
13) }
```

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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