

Converting Colors

$Y_{xy}(22.0915, 0.5588, 0.3896)$

Have a look what the booklet for
Yxy(22.0915, 0.5588, 0.3896)
contains.

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Color

Yxy(22.1490, 0.5584, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	D65D0B
RGB	214, 93, 11
RGB Percent	84%, 36%, 4%
CMY	0.1608, 0.6352, 0.9564
CMYK	0.00, 0.57, 0.95, 0.16
HSL	24°, 90%, 44%
HSV	24°, 95%, 84%
XYZ	31.7047, 22.1490, 2.9241
YIQ	119.8310, 98.4380, 0.1500

Conversions

Conversions Part 2

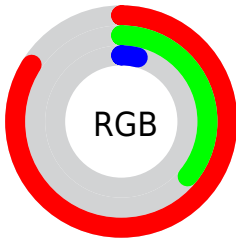
Format	Color
R_{YB}	214, 149, 11
Decimal	14048523
CIE Lab	54.18, 44.24, 61.12
CIE LCh	54, 75.448, 54.099
Yxy	22.1490, 0.5584, 0.3901
Android (android.graphics.Color)	4292238603 (0xFFD65D0B)
YUV	119.8310, -53.6537, 82.5862
Hunter-Lab	47.0627, 37.8901, 29.2602

Details

The Yxy color **22.1490, 0.5584, 0.3901** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **21.4527, 0.1890, 0.1974**, and the grayscale version is **18.8824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2474, 0.4968, 0.3991**, and **8.0969, 0.6018, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **21.0123, 0.5702, 0.3854**, and if you desaturate by 10%, it is **24.6633, 0.5325, 0.3965**.

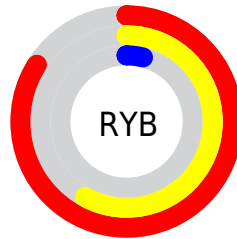
Distribution



Red (84%)

Green (36%)

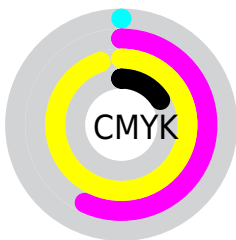
Blue (4%)



Red (84%)

Yellow (58%)

Blue (4%)

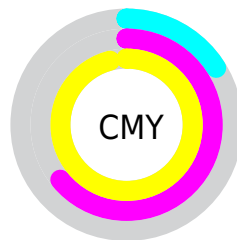


Cyan (0%)

Magenta (57%)

Yellow (95%)

Black (16%)



Cyan (16%)


Magenta (64%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1490, 0.5584, 0.3901 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 22.1490, 0.5584, 0.3901 by changing the saturation by 10% instead.


 22.1490, 0.5584,
0.3901


 22.1490, 0.5584,
0.3901


263.3234, 0.4306,
0.3760


 13.9664, 0.5863,
0.3846


 46.9921, 0.5137,
0.3911

 8.0973, 0.6242,
0.3758


 64.4215, 0.4961,
0.3895

 4.1573, 0.6529,
0.3471

 85.7019, 0.4810,
0.3874

 1.7619, 0.6958,
0.3042

 111.2177, 0.4680,
0.3851

 0.4633, 0.7877,
0.2123

 141.3534, 0.4567,
0.3827


 0.0000, 1.0000,
0.0000


 176.4933, 0.4469,


 0.0000, 0.0000,

0.3804


0.0000


 217.0218, 0.4383,
0.3781


 22.1490, 0.5584,
0.3901


 22.1490, 0.5584,
0.3901

 21.0123, 0.5702,
0.3854

 24.6633, 0.5325,
0.3965

 27.6433, 0.5023,
0.3975

 31.1188, 0.4702,
0.3937

 35.1154, 0.4385,
0.3864

 39.6566, 0.4089,
0.3768

■ 44.7640, 0.3821,
0.3661

■ 50.4579, 0.3585,
0.3550

■ 56.7576, 0.3379,
0.3441

■ 63.6814, 0.3203,
0.3338

Harmonies

Analogous

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



22.1490, 0.5479, 0.3116



22.1490, 0.5584, 0.3901



22.1490, 0.4918, 0.4796

Triad

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



22.1490, 0.5584, 0.3901



22.1490, 0.1759, 0.4354



22.1490, 0.1963, 0.1544

Complementary

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



22.1490, 0.5584, 0.3901



21.4527, 0.1890, 0.1974

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.



22.1490, 0.1351, 0.1536



22.1490, 0.5584, 0.3901



22.1490, 0.1220, 0.2787

Square

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



22.1490, 0.5584, 0.3901



22.1490, 0.2743, 0.5679



22.1490, 0.1115, 0.1886



22.1490, 0.3044, 0.1844

Rectangle

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



22.1490, 0.5584, 0.3901



22.1490, 0.4246, 0.5391



22.1490, 0.1115, 0.1886



22.1490, 0.1710, 0.1507

Sweetspot

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



22.1503, 0.5584, 0.3901



72.0034, 0.3663, 0.3588



16.2255, 0.4462, 0.2258



14.6272, 0.3767, 0.3637



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.



22.1503, 0.5584, 0.3901



30.9494, 0.5719, 0.3841



52.7699, 0.4361, 0.4895



13.2356, 0.3281, 0.3385



12.8940, 0.5676, 0.3875



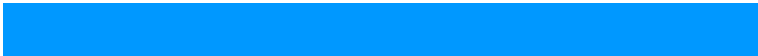
0.9378, 0.5362, 0.4124

Inverse Universe

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



21.4527, 0.1890, 0.1974



29.6946, 0.1856, 0.1882



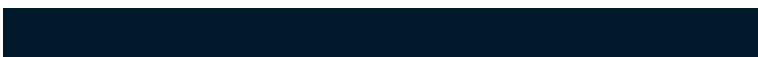
5.9274, 0.1543, 0.0716



13.2277, 0.2982, 0.3194



12.4132, 0.1866, 0.1919



0.9091, 0.1939, 0.2180

Previews

White Background



This preview shows how the Yxy color 22.1490, 0.5584, 0.3901 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 22.1490, 0.5584, 0.3901 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 22.1490, 0.5584, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 22.1490, 0.5584, 0.3901.



This preview shows how white text looks on a background with the Yxy color 22.1490, 0.5584, 0.3901.

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

22.1490, 0.5584, 0.3901

Protanopia

22.2302, 0.4343, 0.4787

Deuteranopia

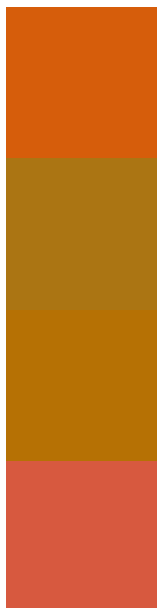
22.3078, 0.4697, 0.4653



Tritanopia

22.1880, 0.4915, 0.3240

Trichromacy



Original Color

22.1490, 0.5584, 0.3901

Protanomaly

21.4275, 0.4826, 0.4443

Deuteranomaly

21.7641, 0.5047, 0.4356

Tritanomaly

21.9507, 0.5269, 0.3559

Monochromacy



Original Color

22.1490, 0.5584, 0.3901

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6011, 0.4148, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1490, 0.5584, 0.3901 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(214, 93, 11)` looks like.

```
.text, #text, p{  
    color:rgb(214, 93, 11)  
}
```

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(214, 93, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 93, 11) }
```

Border

The CSS property to change the border of an element to Yxy 22.1490, 0.5584, 0.3901 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(214, 93, 11) }
```

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

```
.border{ border-color:rgb(214, 93, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 93, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 93, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 93, 11);  
box-shadow:4px 4px 4px 4px rgb(214, 93,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1490, 0.5584, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 93, 11) }
```

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

```
.background{ background-color: rgb(214, 93,  
11) }
```

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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