

Converting Colors

$Y_{xy}(22.0042, 0.5477, 0.3905)$

Have a look what the booklet for
Yxy(22.0042, 0.5477, 0.3905)
contains.

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Color

Yxy(21.9520, 0.5481, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	D25F18
RGB	210, 95, 24
RGB Percent	82%, 37%, 9%
CMY	0.1765, 0.6274, 0.9062
CMYK	0.00, 0.55, 0.89, 0.18
HSL	23°, 80%, 46%
HSV	23°, 89%, 82%
XYZ	30.8352, 21.9520, 3.4711
YIQ	121.2910, 91.3310, 2.2990

Conversions

Conversions Part 2

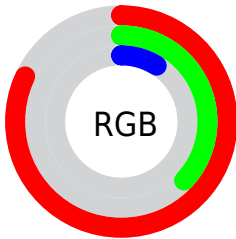
Format	Color
R _Y B	210, 139, 24
Decimal	13786904
CIE Lab	53.98, 41.94, 57.23
CIE LCh	54, 70.955, 53.765
Yxy	21.9520, 0.5481, 0.3902
Android (android.graphics.Color)	4291976984 (0xFFD25F18)
YUV	121.2910, -47.9645, 77.7978
Hunter-Lab	46.8530, 35.4830, 28.4045

Details

The Yxy color **21.9520, 0.5481, 0.3902** 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 **23.2843, 0.1950, 0.2139**, and the grayscale version is **19.3538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9756, 0.4893, 0.3955**, and **8.0237, 0.5955, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **19.7474, 0.5729, 0.3820**, and if you desaturate by 10%, it is **24.6125, 0.5183, 0.3935**.

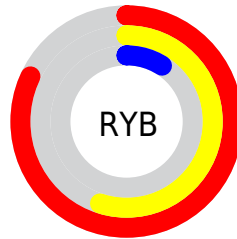
Distribution



Red (82%)

Green (37%)

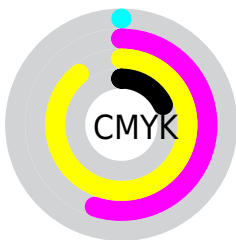
Blue (9%)



Red (82%)

Yellow (55%)

Blue (9%)

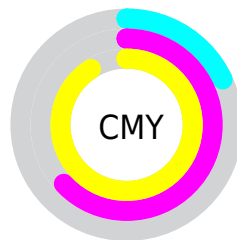


Cyan (0%)

Magenta (55%)

Yellow (89%)

Black (18%)



Cyan (18%)


Magenta (63%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9520, 0.5481, 0.3902 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 21.9520, 0.5481, 0.3902 by changing the saturation by 10% instead.


 21.9520, 0.5481,
0.3902


 21.9520, 0.5481,
0.3902


262.2955, 0.4239,
0.3736


 13.8216, 0.5763,
0.3862


 46.6667, 0.5038,
0.3896


 7.9967, 0.6157,
0.3799


 64.0197, 0.4867,
0.3875

 4.0928, 0.6463,
0.3537


 85.2158, 0.4721,
0.3852

 1.7256, 0.6884,
0.3116

 110.6393, 0.4596,
0.3827

 0.4402, 0.7839,
0.2161

 140.6747, 0.4488,
0.3803


 0.0000, 1.0000,
0.0000


 175.7062, 0.4394,


 0.0000, 0.0000,

0.3779


0.0000

 216.1184, 0.4312,
0.3757


 21.9520, 0.5481,
0.3902

 21.9520, 0.5481,
0.3902


 19.7474, 0.5729,
0.3820


 24.6125, 0.5183,
0.3935

 19.4732, 0.5761,
0.3808

 27.7596, 0.4855,
0.3919

 31.4218, 0.4525,
0.3862

 35.6239, 0.4211,
0.3779

 40.3889, 0.3926,
0.3680

■ 45.7383, 0.3674,
0.3576

■ 51.6921, 0.3455,
0.3472

■ 58.2696, 0.3267,
0.3372

■ 65.4890, 0.3106,
0.3277

Harmonies

Analogous

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



21.9520, 0.5349, 0.3135



21.9520, 0.5481, 0.3902



21.9520, 0.4874, 0.4755

Triad

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



21.9520, 0.5481, 0.3902



21.9520, 0.1842, 0.4309



21.9520, 0.2008, 0.1610

Complementary

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



21.9520, 0.5481, 0.3902



23.2843, 0.1950, 0.2139

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.



21.9520, 0.1416, 0.1610



21.9520, 0.5481, 0.3902



21.9520, 0.1305, 0.2841

Square

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



21.9520, 0.5481, 0.3902



21.9520, 0.2797, 0.5531



21.9520, 0.1190, 0.1962



21.9520, 0.3040, 0.1899

Rectangle

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



21.9520, 0.5481, 0.3902



21.9520, 0.4241, 0.5304



21.9520, 0.1190, 0.1962



21.9520, 0.1765, 0.1577

Sweetspot

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



21.9532, 0.5481, 0.3902



72.1259, 0.3644, 0.3562



16.2976, 0.4234, 0.2172



14.7931, 0.3725, 0.3599



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.



21.9532, 0.5481, 0.3902



29.8878, 0.5780, 0.3792



48.5448, 0.4388, 0.4827



12.5380, 0.3281, 0.3379



12.0584, 0.5735, 0.3828



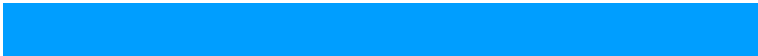
0.8258, 0.5392, 0.4101

Inverse Universe

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



23.2843, 0.1950, 0.2139



31.5297, 0.1878, 0.1960



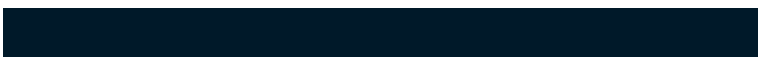
7.0199, 0.1602, 0.0859



12.6167, 0.2983, 0.3199



12.7391, 0.1888, 0.1997



0.8631, 0.1961, 0.2260

Previews

White Background



This preview shows how the Yxy color 21.9520, 0.5481, 0.3902 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 21.9520, 0.5481, 0.3902 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 21.9520, 0.5481, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 21.9520, 0.5481, 0.3902.



This preview shows how white text looks on a background with the Yxy color 21.9520, 0.5481, 0.3902.

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

21.9520, 0.5481, 0.3902

Protanopia

22.1861, 0.4283, 0.4725

Deuteranopia

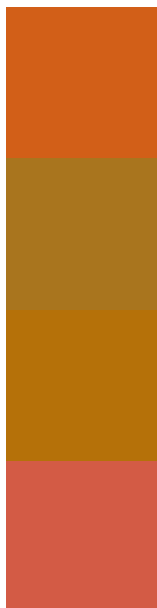
22.0584, 0.4711, 0.4641



Tritanopia

21.9500, 0.4830, 0.3238

Trichromacy



Original Color

21.9520, 0.5481, 0.3902

Protanomaly

21.2513, 0.4750, 0.4397

Deuteranomaly

21.6537, 0.5024, 0.4350

Tritanomaly

21.7607, 0.5143, 0.3533

Monochromacy



Original Color

21.9520, 0.5481, 0.3902

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.0325, 0.4039, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9520, 0.5481, 0.3902 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(210, 95, 24)` looks like.

```
.text, #text, p{  
    color:rgb(210, 95, 24)  
}
```

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(210, 95, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 95, 24) }
```

Border

The CSS property to change the border of an element to Yxy 21.9520, 0.5481, 0.3902 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(210, 95, 24) }
```

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

```
.border{ border-color:rgb(210, 95, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 95, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 95, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 95, 24);  
box-shadow:4px 4px 4px 4px rgb(210, 95,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9520, 0.5481, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 95, 24) }
```

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

```
.background{ background-color: rgb(210, 95,  
24) }
```

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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