

Converting Colors

$Yxy(20.9437, 0.5592, 0.3873)$

Have a look what the booklet for
Yxy(20.9437, 0.5592, 0.3873)
contains.

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Color

Yxy(21.0485, 0.5585, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	D25A0F
RGB	210, 90, 15
RGB Percent	82%, 35%, 6%
CMY	0.1765, 0.6470, 0.9407
CMYK	0.00, 0.57, 0.93, 0.18
HSL	23°, 87%, 44%
HSV	23°, 93%, 82%
XYZ	30.3213, 21.0485, 2.9208
YIQ	117.3300, 95.5950, 2.1150

Conversions

Conversions Part 2

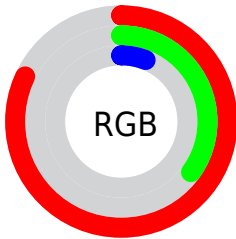
Format	Color
R _Y B	210, 137, 15
Decimal	13785615
CIE Lab	53.00, 44.22, 59.10
CIE LCh	53, 73.811, 53.196
Yxy	21.0485, 0.5585, 0.3877
Android (android.graphics.Color)	4291975695 (0xFFD25A0F)
YUV	117.3300, -50.4487, 81.2716
Hunter-Lab	45.8786, 37.6836, 28.3404

Details

The Yxy color **21.0485, 0.5585, 0.3877** 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 **22.1143, 0.1921, 0.2071**, and the grayscale version is **18.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3471, 0.4990, 0.3955**, and **7.6190, 0.6048, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **19.5416, 0.5755, 0.3812**, and if you desaturate by 10%, it is **23.5174, 0.5308, 0.3932**.

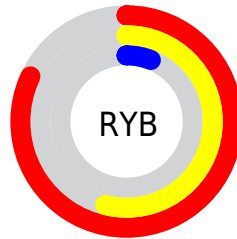
Distribution



Red (82%)

Green (35%)

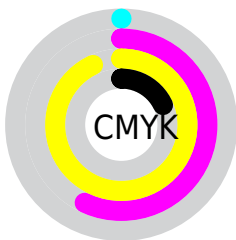
Blue (6%)



Red (82%)

Yellow (54%)

Blue (6%)

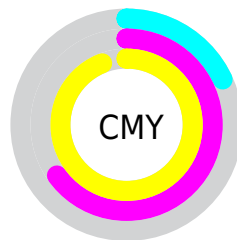


Cyan (0%)

Magenta (57%)

Yellow (93%)

Black (18%)



Cyan (18%)


Magenta (65%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0485, 0.5585, 0.3877 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 21.0485, 0.5585, 0.3877 by changing the saturation by 10% instead.


 21.0485, 0.5585,
0.3877


 21.0485, 0.5585,
0.3877


257.5361, 0.4291,
0.3742

 13.1595, 0.5874,
0.3820


 45.1682, 0.5127,
0.3889


 7.5384, 0.6270,
0.3730


 62.1677, 0.4948,
0.3873

 3.8011, 0.6570,
0.3430

 82.9728, 0.4796,
0.3853

 1.5629, 0.7022,
0.2978

 107.9679, 0.4665,
0.3830

 0.3324, 0.8211,
0.1789

 137.5374, 0.4552,
0.3807


 0.0000, 1.0000,
0.0000


 172.0657, 0.4454,


 0.0000, 0.0000,


0.3784


0.0000


 211.9371, 0.4367,
0.3763


 21.0485, 0.5585,
0.3877


 21.0485, 0.5585,
0.3877


 19.5416, 0.5755,
0.3812

 23.5174, 0.5308,
0.3932

 26.4581, 0.4990,
0.3935

 29.9002, 0.4659,
0.3893

 33.8693, 0.4338,
0.3819

 38.3889, 0.4041,
0.3725

■ 43.4809, 0.3775,
0.3622

■ 49.1658, 0.3543,
0.3516

■ 55.4630, 0.3342,
0.3414

■ 62.3910, 0.3171,
0.3316

Harmonies

Analogous

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



21.0485, 0.5450, 0.3096



21.0485, 0.5585, 0.3877



21.0485, 0.4941, 0.4765

Triad

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



21.0485, 0.5585, 0.3877



21.0485, 0.1790, 0.4400



21.0485, 0.1942, 0.1545

Complementary

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



21.0485, 0.5585, 0.3877



22.1143, 0.1921, 0.2071

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.



21.0485, 0.1344, 0.1547



21.0485, 0.5585, 0.3877



21.0485, 0.1237, 0.2829

Square

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



21.0485, 0.5585, 0.3877



21.0485, 0.2780, 0.5685



21.0485, 0.1120, 0.1909



21.0485, 0.3005, 0.1836

Rectangle

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



21.0485, 0.5585, 0.3877



21.0485, 0.4277, 0.5360



21.0485, 0.1120, 0.1909



21.0485, 0.1695, 0.1512

Sweetspot

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



21.0497, 0.5585, 0.3877



71.3111, 0.3667, 0.3574



15.8040, 0.4363, 0.2214



14.4632, 0.3772, 0.3621



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.



21.0497, 0.5585, 0.3877



29.9937, 0.5774, 0.3797



49.3886, 0.4382, 0.4865



12.5424, 0.3281, 0.3380



12.1011, 0.5729, 0.3833



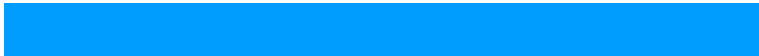
0.8284, 0.5387, 0.4105

Inverse Universe

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



22.1143, 0.1921, 0.2071



31.3369, 0.1876, 0.1952



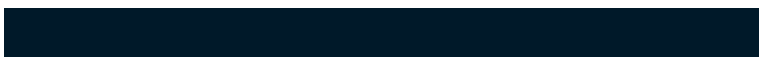
6.1325, 0.1562, 0.0765



12.6122, 0.2983, 0.3199



12.6638, 0.1886, 0.1989



0.8592, 0.1959, 0.2254

Previews

White Background



This preview shows how the Yxy color 21.0485, 0.5585, 0.3877 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 21.0485, 0.5585, 0.3877 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 21.0485, 0.5585, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 21.0485, 0.5585, 0.3877.



This preview shows how white text looks on a background with the Yxy color 21.0485, 0.5585, 0.3877.

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

21.0485, 0.5585, 0.3877

Protanopia

21.0930, 0.4318, 0.4768

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.0590, 0.4942, 0.3240

Trichromacy



Original Color

21.0485, 0.5585, 0.3877

Protanomaly

20.3080, 0.4812, 0.4422

Deuteranomaly

20.7465, 0.5060, 0.4339

Tritanomaly

20.8523, 0.5277, 0.3543

Monochromacy



Original Color

21.0485, 0.5585, 0.3877

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.6739, 0.4132, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0485, 0.5585, 0.3877 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, 90, 15)` looks like.

```
.text, #text, p{  
    color:rgb(210, 90, 15)  
}
```

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, 90, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 90, 15) }
```

Border

The CSS property to change the border of an element to Yxy 21.0485, 0.5585, 0.3877 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, 90, 15) }
```

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

```
.border{ border-color:rgb(210, 90, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 90, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 90, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 90, 15);  
box-shadow:4px 4px 4px 4px rgb(210, 90,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0485, 0.5585, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 90, 15) }
```

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

```
.background{ background-color: rgb(210, 90,  
15) }
```

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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