

Converting Colors

$Y_{xy}(21.3788, 0.5818, 0.4138)$

Have a look what the booklet for
Yxy(21.3788, 0.5818, 0.4138)
contains.

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Color

Yxy(21.5303, 0.5588, 0.3945)

Conversions

Conversions Part 1

Format	Color
Hex	D25D00
RGB	210, 93, 0
RGB Percent	82%, 36%, 0%
CMY	0.1764, 0.6353, 0.9999
CMYK	0.00, 0.56, 1.00, 0.18
HSL	27°, 100%, 41%
HSV	27°, 100%, 82%
XYZ	30.4972, 21.5303, 2.5487
YIQ	117.3810, 99.5850, -4.1190

Conversions

Conversions Part 2

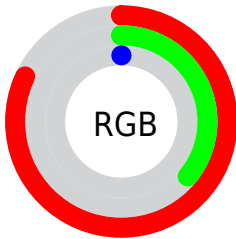
Format	Color
R_{YB}	210, 167, 0
Decimal	13786368
CIE _{Lab}	53.53, 42.63, 62.66
CIE _{LCh}	54, 75.784, 55.773
Yxy	21.5303, 0.5588, 0.3945
Android (android.graphics.Color)	4291976448 (0xFFD25D00)
YUV	117.3810, -57.8688, 81.2269
Hunter-Lab	46.4008, 36.1188, 29.2238

Details

The Yxy color **21.5303, 0.5588, 0.3945** 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 **17.3878, 0.1822, 0.1760**, and the grayscale version is **18.0742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1767, 0.5008, 0.4029**, and **7.8818, 0.5987, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **21.5299, 0.5588, 0.3945**, and if you desaturate by 10%, it is **23.7996, 0.5364, 0.4022**.

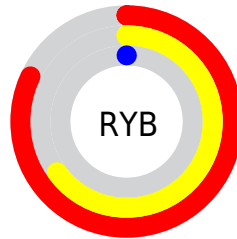
Distribution



Red (82%)

Green (36%)

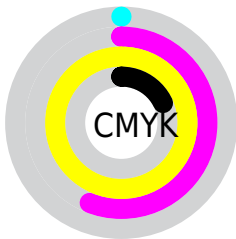
Blue (0%)



Red (82%)

Yellow (65%)

Blue (0%)

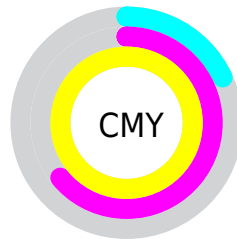


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5303, 0.5588, 0.3945 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 21.5303, 0.5588, 0.3945 by changing the saturation by 10% instead.


 21.5303, 0.5588,
0.3945


 21.5303, 0.5588,
0.3945


260.0835, 0.4313,
0.3788


 13.5122, 0.5862,
0.3889


 45.9684, 0.5145,
0.3953

 7.7822, 0.6214,
0.3786


 63.1573, 0.4969,
0.3935


 3.9559, 0.6500,
0.3500


 84.1718, 0.4818,
0.3911

 1.6489, 0.6934,
0.3066

 109.3964, 0.4688,
0.3886

 0.3902, 0.7988,
0.2012

 139.2154, 0.4575,
0.3860

 0.0000, 1.0000,
0.0000


 174.0134, 0.4476,


 0.0000, 0.0000,


0.3835


0.0000

 214.1746, 0.4389,
0.3811

 21.5303, 0.5588,
0.3945

 21.5303, 0.5588,
0.3945

 21.5299, 0.5588,
0.3945

 23.7996, 0.5364,
0.4022

 26.4545, 0.5099,
0.4052

 29.5286, 0.4805,
0.4029

 33.0444, 0.4502,
0.3964

 37.0226, 0.4209,
0.3869

■ 41.4819, 0.3938,
0.3756

■ 46.4399, 0.3694,
0.3637

■ 51.9132, 0.3478,
0.3516

■ 57.9173, 0.3290,
0.3400

Harmonies

Analogous

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



21.5303, 0.5542, 0.3151



21.5303, 0.5588, 0.3945



21.5303, 0.4878, 0.4855

Triad

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



21.5303, 0.5588, 0.3945



21.5303, 0.1698, 0.4272



21.5303, 0.1997, 0.1537

Complementary

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



21.5303, 0.5588, 0.3945



17.3878, 0.1822, 0.1760

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.



21.5303, 0.1357, 0.1511



21.5303, 0.5588, 0.3945



21.5303, 0.1185, 0.2707

Square

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



21.5303, 0.5588, 0.3945



21.5303, 0.2669, 0.5677



21.5303, 0.1102, 0.1837



21.5303, 0.3116, 0.1854

Rectangle

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



21.5303, 0.5588, 0.3945



21.5303, 0.4188, 0.5456



21.5303, 0.1102, 0.1837



21.5303, 0.1734, 0.1495

Sweetspot

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



21.5315, 0.5588, 0.3945



71.7657, 0.3701, 0.3641



15.0373, 0.4694, 0.2359



14.6408, 0.3803, 0.3692



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.



21.5315, 0.5588, 0.3945



33.0466, 0.5606, 0.3931



53.1935, 0.4316, 0.4955



12.6573, 0.3280, 0.3393



13.3237, 0.5563, 0.3965



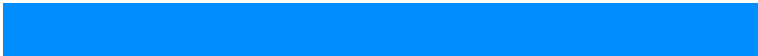
0.9020, 0.5250, 0.4214

Inverse Universe

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



17.3878, 0.1822, 0.1760



26.5976, 0.1818, 0.1743



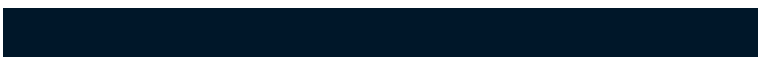
4.9688, 0.1510, 0.0636



12.4947, 0.2983, 0.3185



10.8065, 0.1829, 0.1784



0.7611, 0.1913, 0.2086

Previews

White Background



This preview shows how the Yxy color 21.5303, 0.5588, 0.3945 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 21.5303, 0.5588, 0.3945 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 21.5303, 0.5588, 0.3945

Background



This preview shows how black text looks on a background with the Yxy color 21.5303, 0.5588, 0.3945.



This preview shows how white text looks on a background with the Yxy color 21.5303, 0.5588, 0.3945.

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

21.5303, 0.5588, 0.3945

Protanopia

21.7708, 0.4343, 0.4811

Tritanopia

21.5861, 0.4874, 0.3238

Trichromacy



Original Color

21.5303, 0.5588, 0.3945

Protanomaly

20.9549, 0.4839, 0.4471

Tritanomaly

21.3094, 0.5280, 0.3603

Monochromacy



Original Color

21.5303, 0.5588, 0.3945

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7988, 0.4204, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5303, 0.5588, 0.3945 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, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 93, 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(210, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5303, 0.5588, 0.3945 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, 93, 0) }
```

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

```
.border{ border-color:rgb(210, 93, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 21.5303, 0.5588, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 93, 0) }
```

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

```
.background{ background-color: rgb(210, 93,  
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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