

Converting Colors

$Y_{xy}(21.6437, 0.5631, 0.3817)$

Have a look what the booklet for
Yxy(21.6437, 0.5631, 0.3817)
contains.

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Color

Yxy(21.6254, 0.5635, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	D85813
RGB	216, 88, 19
RGB Percent	85%, 35%, 7%
CMY	0.1530, 0.6549, 0.9257
CMYK	0.00, 0.59, 0.91, 0.15
HSL	21°, 84%, 46%
HSV	21°, 91%, 85%
XYZ	31.9254, 21.6254, 3.1047
YIQ	118.4060, 98.4370, 5.6770

Conversions

Conversions Part 2

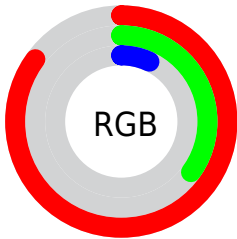
Format	Color
R_{YB}	216, 125, 19
Decimal	14178323
CIE _{Lab}	53.63, 47.45, 58.95
CIE _{LCh}	54, 75.669, 51.168
Yxy	21.6254, 0.5635, 0.3817
Android (android.graphics.Color)	4292368403 (0xFFD85813)
YUV	118.4060, -49.0072, 85.5899
Hunter-Lab	46.5031, 41.1635, 28.5938

Details

The Yxy color **21.6254, 0.5635, 0.3817** 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 **25.9400, 0.1960, 0.2202**, and the grayscale version is **18.3840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0870, 0.4978, 0.3925**, and **7.8600, 0.6125, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **19.7276, 0.5850, 0.3737**, and if you desaturate by 10%, it is **24.2660, 0.5337, 0.3870**.

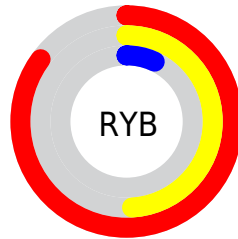
Distribution



Red (85%)

Green (35%)

Blue (7%)



Red (85%)

Yellow (49%)

Blue (7%)

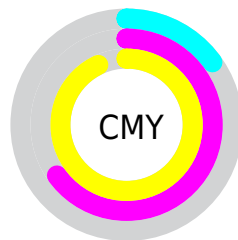


Cyan (0%)

Magenta (59%)

Yellow (91%)

Black (15%)



Cyan (15%)


Magenta (65%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6254, 0.5635, 0.3817 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 21.6254, 0.5635, 0.3817 by changing the saturation by 10% instead.


 21.6254, 0.5635,
0.3817


 21.6254, 0.5635,
0.3817


260.5837, 0.4317,
0.3718


 13.5819, 0.5930,
0.3753


 46.1261, 0.5169,
0.3842

 7.8305, 0.6342,
0.3658


 63.3521, 0.4987,
0.3831

 3.9867, 0.6648,
0.3352

 84.4077, 0.4832,
0.3815

 1.6661, 0.7103,
0.2897

 109.6773, 0.4698,
0.3796

 0.4016, 0.8134,
0.1866

 139.5453, 0.4583,
0.3776


 0.0000, 1.0000,
0.0000


 174.3961, 0.4483,

 0.0000, 0.0000,


0.3756

0.0000

 214.6141, 0.4395,
0.3737


 21.6254, 0.5635,
0.3817


 21.6254, 0.5635,
0.3817


 19.7276, 0.5850,
0.3737

 24.2660, 0.5337,
0.3870

 27.4545, 0.4999,
0.3872

 31.2257, 0.4651,
0.3832

 35.6102, 0.4318,
0.3762

 40.6358, 0.4014,
0.3674

■ 46.3287, 0.3746,
0.3579

■ 52.7134, 0.3514,
0.3482

■ 59.8130, 0.3315,
0.3389

■ 67.6496, 0.3146,
0.3300

Harmonies

Analogous

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



21.6254, 0.5439, 0.3037



21.6254, 0.5635, 0.3817



21.6254, 0.5016, 0.4709

Triad

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



21.6254, 0.5635, 0.3817



21.6254, 0.1825, 0.4536



21.6254, 0.1872, 0.1517

Complementary

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



21.6254, 0.5635, 0.3817



25.9400, 0.1960, 0.2202

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.



21.6254, 0.1299, 0.1539



21.6254, 0.5635, 0.3817



21.6254, 0.1236, 0.2907

Square

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



21.6254, 0.5635, 0.3817



21.6254, 0.2844, 0.5767



21.6254, 0.1096, 0.1932



21.6254, 0.2914, 0.1790

Rectangle

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



21.6254, 0.5635, 0.3817



21.6254, 0.4354, 0.5324



21.6254, 0.1096, 0.1932



21.6254, 0.1634, 0.1490

Sweetspot

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



21.6266, 0.5635, 0.3817



71.0446, 0.3650, 0.3540



17.1697, 0.4220, 0.2143



14.5413, 0.3733, 0.3574



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.



21.6266, 0.5635, 0.3817



28.4683, 0.5866, 0.3724



49.9484, 0.4437, 0.4809



13.1257, 0.3282, 0.3372



11.8608, 0.5822, 0.3759



0.8684, 0.5489, 0.4024

Inverse Universe

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



25.9400, 0.1960, 0.2202



34.3541, 0.1910, 0.2075



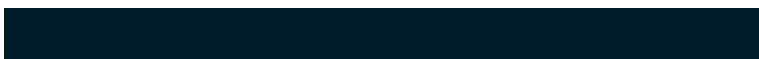
7.2505, 0.1586, 0.0837



13.3411, 0.2982, 0.3206



14.2957, 0.1919, 0.2107



1.0149, 0.1982, 0.2335

Previews

White Background



This preview shows how the Yxy color 21.6254, 0.5635, 0.3817 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 21.6254, 0.5635, 0.3817 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 21.6254, 0.5635, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 21.6254, 0.5635, 0.3817.



This preview shows how white text looks on a background with the Yxy color 21.6254, 0.5635, 0.3817.

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

21.6254, 0.5635, 0.3817

Protanopia

21.8140, 0.4299, 0.4745

Deuteranopia

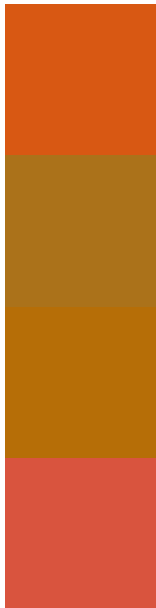
21.7056, 0.4715, 0.4638



Tritanopia

21.6281, 0.5045, 0.3243

Trichromacy



Original Color

21.6254, 0.5635, 0.3817

Protanomaly

20.7671, 0.4838, 0.4368

Deuteranomaly

21.1123, 0.5085, 0.4310

Tritanomaly

21.4402, 0.5347, 0.3511

Monochromacy



Original Color

21.6254, 0.5635, 0.3817

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9946, 0.4146, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6254, 0.5635, 0.3817 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(216, 88, 19)` looks like.

```
.text, #text, p{  
    color:rgb(216, 88, 19)  
}
```

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(216, 88, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 88, 19) }
```

Border

The CSS property to change the border of an element to Yxy 21.6254, 0.5635, 0.3817 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(216, 88, 19) }
```

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

```
.border{ border-color:rgb(216, 88, 19) }
```

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

Here you see how a box with a 4 pixel rgb(216, 88, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 88, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 88, 19);  
box-shadow:4px 4px 4px 4px rgb(216, 88,  
19) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.6254, 0.5635, 0.3817$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 88, 19) }
```

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

```
.background{ background-color: rgb(216, 88,  
19) }
```

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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