

Converting Colors

$Y_{xy}(17.5699, 0.5799, 0.4147)$

Have a look what the booklet for
Yxy(17.5699, 0.5799, 0.4147)
contains.

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Color

Yxy(17.7035, 0.5579, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	C05500
RGB	192, 85, 0
RGB Percent	75%, 33%, 0%
CMY	0.2471, 0.6666, 1.0000
CMYK	0.00, 0.56, 1.00, 0.25
HSL	27°, 100%, 38%
HSV	27°, 100%, 75%
XYZ	24.9855, 17.7035, 2.0959
YIQ	107.3030, 91.0570, -3.7510

Conversions

Conversions Part 2

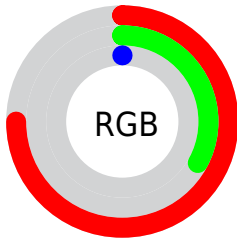
Format	Color
RYB	192, 153, 0
Decimal	12604672
CIELab	49.13, 39.55, 58.70
CIElCh	49, 70.778, 56.033
Yxy	17.7035, 0.5579, 0.3953
Android (android.graphics.Color)	4290794752 (0xFFC05500)
YUV	107.3030, -52.9004, 74.2793
Hunter-Lab	42.0755, 32.3657, 26.4994

Details

The Yxy color **17.7035, 0.5579, 0.3953** 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 **14.3178, 0.1825, 0.1769**, and the grayscale version is **14.9240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4882, 0.5110, 0.3954**, and **5.9693, 0.6008, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **17.7048, 0.5578, 0.3953**, and if you desaturate by 10%, it is **19.5666, 0.5351, 0.4025**.

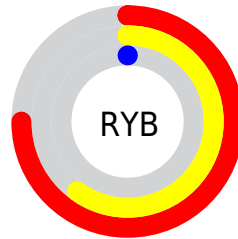
Distribution



Red (75%)

Green (33%)

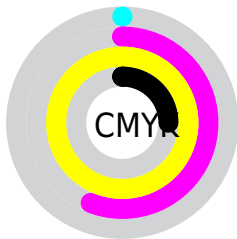
Blue (0%)



Red (75%)

Yellow (60%)

Blue (0%)

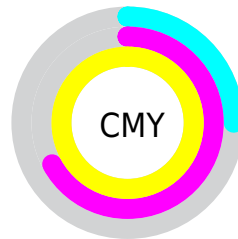


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7035, 0.5579, 0.3953 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 17.7035, 0.5579, 0.3953 by changing the saturation by 10% instead.


 17.7035, 0.5579,
0.3953


 17.7035, 0.5579,
0.3953


239.1945, 0.4266,
0.3778


 10.7373, 0.5879,
0.3898


 39.5314, 0.5112,
0.3957

 5.8905, 0.6235,
0.3765


 55.1620, 0.4930,
0.3935

 2.7786, 0.6559,
0.3441

 74.4495, 0.4775,
0.3909

 1.0173, 0.7074,
0.2926

 97.7783, 0.4643,
0.3881


 0.0000, 1.0000,
0.0000


 125.5328, 0.4528,
0.3853


 0.0000, 0.0000,
0.0000

 158.0974, 0.4429,

0.3827


 195.8565, 0.4343,
0.3801


 17.7035, 0.5579,
0.3953

 17.7035, 0.5579,
0.3953

 17.7048, 0.5578,
0.3953

 19.5666, 0.5351,
0.4025

 21.7410, 0.5086,
0.4052

 24.2549, 0.4792,
0.4027

 27.1266, 0.4492,
0.3961

 30.3724, 0.4201,
0.3866

■ 34.0074, 0.3932,
0.3754

■ 38.0456, 0.3690,
0.3635

■ 42.5004, 0.3476,
0.3515

■ 47.3843, 0.3289,
0.3399

Harmonies

Analogous

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



17.7035, 0.5539, 0.3159



17.7035, 0.5579, 0.3953



17.7035, 0.4867, 0.4862

Triad

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



17.7035, 0.5579, 0.3953



17.7035, 0.1695, 0.4253



17.7035, 0.2008, 0.1542

Complementary

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



17.7035, 0.5579, 0.3953



14.3178, 0.1825, 0.1769

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.



17.7035, 0.1365, 0.1514



17.7035, 0.5579, 0.3953



17.7035, 0.1187, 0.2699

Square

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



17.7035, 0.5579, 0.3953



17.7035, 0.2662, 0.5661



17.7035, 0.1107, 0.1836



17.7035, 0.3128, 0.1862

Rectangle

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



17.7035, 0.5579, 0.3953



17.7035, 0.4178, 0.5458



17.7035, 0.1107, 0.1836



17.7035, 0.1744, 0.1499

Sweetspot

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



17.7048, 0.5578, 0.3953



68.5706, 0.3701, 0.3640



12.3058, 0.4683, 0.2353



14.0272, 0.3801, 0.3691



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.7048, 0.5578, 0.3953



31.5982, 0.5604, 0.3932



43.5251, 0.4315, 0.4956



10.7955, 0.3278, 0.3392



12.0641, 0.5557, 0.3970



0.6584, 0.5178, 0.4271

Inverse Universe

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



14.3178, 0.1825, 0.1769



25.4336, 0.1818, 0.1744



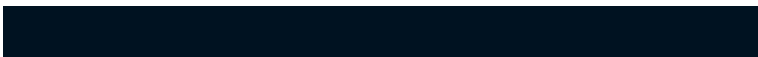
4.0884, 0.1511, 0.0640



10.6579, 0.2984, 0.3186



9.7921, 0.1830, 0.1789



0.5587, 0.1933, 0.2157

Previews

White Background



This preview shows how the Yxy color 17.7035, 0.5579, 0.3953 looks on a white 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

Black Background



This preview shows how the Yxy color 17.7035, 0.5579, 0.3953 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 17.7035, 0.5579, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 17.7035, 0.5579, 0.3953.



This preview shows how white text looks on a background with the Yxy color 17.7035, 0.5579, 0.3953.

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

17.7035, 0.5579, 0.3953

Protanopia

17.9061, 0.4330, 0.4815

Deuteranopia

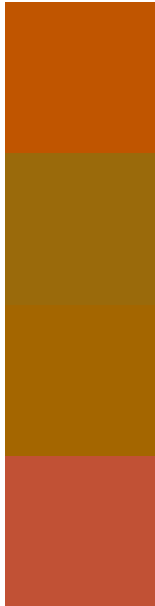
17.8842, 0.4690, 0.4658



Tritanopia

17.7014, 0.4867, 0.3233

Trichromacy



Original Color

17.7035, 0.5579, 0.3953

Protanomaly

17.2023, 0.4828, 0.4479

Deuteranomaly

17.3953, 0.5046, 0.4375

Tritanomaly

17.4794, 0.5279, 0.3608

Monochromacy



Original Color

17.7035, 0.5579, 0.3953

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.7443, 0.4185, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7035, 0.5579, 0.3953 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(192, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 85, 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(192, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 85, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7035, 0.5579, 0.3953 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(192, 85, 0) }
```

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

```
.border{ border-color:rgb(192, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 85, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7035, 0.5579, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 85, 0) }
```

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

```
.background{ background-color: rgb(192, 85,  
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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