

Converting Colors

$Y_{xy}(21.8941, 0.5450, 0.4055)$

Have a look what the booklet for
Yxy(21.8941, 0.5450, 0.4055)
contains.

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Color

Yxy(21.9517, 0.5446, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	CC6400
RGB	204, 100, 0
RGB Percent	80%, 39%, 0%
CMY	0.2000, 0.6078, 1.0000
CMYK	0.00, 0.51, 1.00, 0.20
HSL	29°, 100%, 40%
HSV	29°, 100%, 80%
XYZ	29.4601, 21.9517, 2.6831
YIQ	119.6960, 94.0840, -9.0520

Conversions

Conversions Part 2

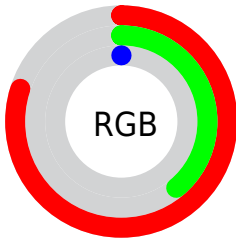
Format	Color
R_YB	204, 196, 0
Decimal	13394944
CIE Lab	53.98, 36.76, 62.45
CIE LCh	54, 72.463, 59.518
Yxy	21.9517, 0.5446, 0.4058
Android (android.graphics.Color)	4291585024 (0xFFCC6400)
YUV	119.6960, -59.0101, 73.9346
Hunter-Lab	46.8526, 30.2454, 29.4015

Details

The Yxy color **21.9517, 0.5446, 0.4058** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.2611, 0.1778, 0.1600**, and the grayscale version is **18.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0866, 0.4943, 0.4081**, and **8.0320, 0.5792, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **21.9530, 0.5446, 0.4058**, and if you desaturate by 10%, it is **24.1291, 0.5239, 0.4124**.

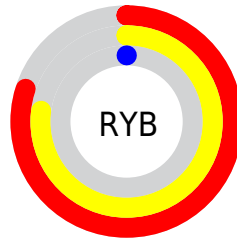
Distribution



Red (80%)

Green (39%)

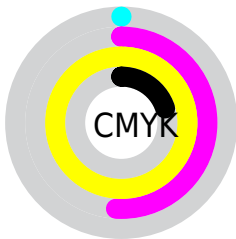
Blue (0%)



Red (80%)

Yellow (77%)

Blue (0%)

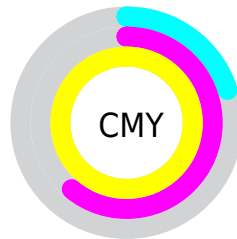


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9517, 0.5446, 0.4058 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 21.9517, 0.5446, 0.4058 by changing the saturation by 10% instead.


 21.9517, 0.5446,
0.4058


 21.9517, 0.5446,
0.4058


262.2939, 0.4248,
0.3824


 13.8214, 0.5702,
0.4026


 46.6662, 0.5030,
0.4033

 7.9966, 0.6039,
0.3961


 64.0191, 0.4865,
0.4004

 4.0927, 0.6293,
0.3707

 85.2151, 0.4723,
0.3972

 1.7256, 0.6683,
0.3317

 110.6385, 0.4601,
0.3940

 0.4401, 0.7621,
0.2379

 140.6736, 0.4495,
0.3908


 0.0000, 1.0000,
0.0000


 175.7050, 0.4402,


 0.0000, 0.0000,


0.3878


0.0000


 216.1170, 0.4320,
0.3850


 21.9517, 0.5446,
0.4058

 21.9517, 0.5446,
0.4058


 21.9530, 0.5446,
0.4058

 24.1291, 0.5239,
0.4124

 26.6238, 0.4997,
0.4143

 29.4646, 0.4727,
0.4109

 32.6696, 0.4447,
0.4033

 36.2553, 0.4173,
0.3927

■ 40.2366, 0.3916,
0.3803

■ 44.6276, 0.3682,
0.3672

■ 49.4414, 0.3473,
0.3540

■ 54.6903, 0.3288,
0.3411

Harmonies

Analogous

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



21.9517, 0.5490, 0.3268



21.9517, 0.5446, 0.4058



21.9517, 0.4721, 0.4937

Triad

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



21.9517, 0.5446, 0.4058



21.9517, 0.1675, 0.4017



21.9517, 0.2154, 0.1620

Complementary

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



21.9517, 0.5446, 0.4058



14.2611, 0.1778, 0.1600

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.



21.9517, 0.1474, 0.1560



21.9517, 0.5446, 0.4058



21.9517, 0.1225, 0.2604

Square

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



21.9517, 0.5446, 0.4058



21.9517, 0.2576, 0.5435



21.9517, 0.1181, 0.1835



21.9517, 0.3284, 0.1965

Rectangle

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



21.9517, 0.5446, 0.4058



21.9517, 0.4044, 0.5469



21.9517, 0.1181, 0.1835



21.9517, 0.1878, 0.1567

Sweetspot

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



21.9530, 0.5446, 0.4058



73.6062, 0.3691, 0.3677



13.8664, 0.4902, 0.2474



15.0744, 0.3788, 0.3733



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.



21.9530, 0.5446, 0.4058



35.9272, 0.5465, 0.4042



54.4277, 0.4223, 0.5029



12.1065, 0.3278, 0.3404



14.0021, 0.5424, 0.4075



0.8742, 0.5121, 0.4316

Inverse Universe

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



14.2611, 0.1778, 0.1600



23.1853, 0.1772, 0.1578



4.4337, 0.1503, 0.0609



11.7737, 0.2983, 0.3174



9.1626, 0.1785, 0.1624



0.6244, 0.1882, 0.1974

Previews

White Background



This preview shows how the Yxy color 21.9517, 0.5446, 0.4058 looks on a white background.

Color Contrast Check

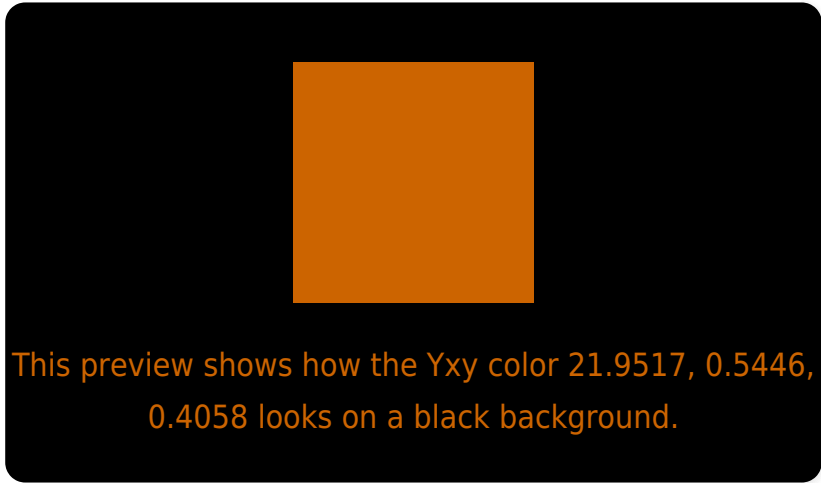
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 21.9517, 0.5446, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 21.9517, 0.5446, 0.4058.



This preview shows how white text looks on a background with the Yxy color 21.9517, 0.5446, 0.4058.

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

21.9517, 0.5446, 0.4058

Protanopia

22.1199, 0.4350, 0.4824

Deuteranopia

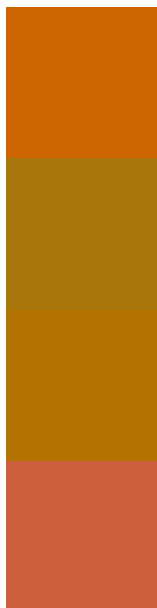
22.0584, 0.4711, 0.4641



Tritanopia

21.9950, 0.4673, 0.3222

Trichromacy



Original Color

21.9517, 0.5446, 0.4058

Protanomaly

21.4333, 0.4778, 0.4532

Deuteranomaly

21.8452, 0.4996, 0.4415

Tritanomaly

21.8464, 0.5115, 0.3660

Monochromacy



Original Color

21.9517, 0.5446, 0.4058

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9114, 0.4133, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9517, 0.5446, 0.4058 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(204, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 100, 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(204, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9517, 0.5446, 0.4058 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(204, 100, 0) }
```

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

```
.border{ border-color:rgb(204, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9517, 0.5446, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 100, 0) }
```

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

```
.background{ background-color: rgb(204,  
100, 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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