

Converting Colors

$Y_{xy}(21.1584, 0.5290, 0.4133)$

Have a look what the booklet for
Yxy(21.1584, 0.5290, 0.4133)
contains.

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Color

Yxy(21.1917, 0.5294, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	C2670A
RGB	194, 103, 10
RGB Percent	76%, 40%, 4%
CMY	0.2392, 0.5960, 0.9611
CMYK	0.00, 0.47, 0.95, 0.24
HSL	30°, 90%, 40%
HSV	30°, 95%, 76%
XYZ	27.1512, 21.1917, 2.9439
YIQ	119.6070, 84.0890, -9.6310

Conversions

Conversions Part 2

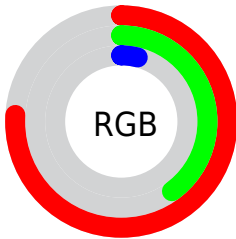
Format	Color
R _Y B	190, 194, 10
Decimal	12740362
CIE Lab	53.16, 31.20, 59.21
CIE LCh	53, 66.928, 62.215
Yxy	21.1917, 0.5294, 0.4132
Android (android.graphics.Color)	4290930442 (0xFFC2670A)
YUV	119.6070, -54.0363, 65.2427
Hunter-Lab	46.0344, 24.7194, 28.4326

Details

The Yxy color **21.1917, 0.5294, 0.4132** 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 **13.2450, 0.1800, 0.1644**, and the grayscale version is **18.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1324, 0.4883, 0.4078**, and **7.7067, 0.5644, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **20.2247, 0.5395, 0.4098**, and if you desaturate by 10%, it is **23.2797, 0.5078, 0.4172**.

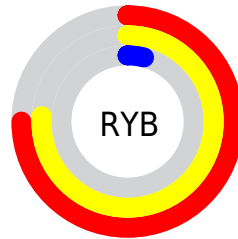
Distribution



Red (76%)

Green (40%)

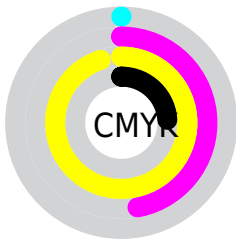
Blue (4%)



Red (75%)

Yellow (76%)

Blue (4%)

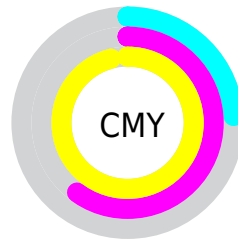


Cyan (0%)

Magenta (47%)

Yellow (95%)

Black (24%)



Cyan (24%)


Magenta (60%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1917, 0.5294, 0.4132 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 21.1917, 0.5294, 0.4132 by changing the saturation by 10% instead.


 21.1917, 0.5294,
0.4132


 21.1917, 0.5294,
0.4132


258.2955, 0.4159,
0.3830


 13.2642, 0.5543,
0.4125


 45.4064, 0.4895,
0.4074

 7.6107, 0.5893,
0.4107


 62.4623, 0.4738,
0.4035

 3.8469, 0.6125,
0.3875

 83.3299, 0.4604,
0.3995

 1.5883, 0.6489,
0.3511

 108.3934, 0.4489,
0.3957

 0.3497, 0.7621,
0.2379

 138.0374, 0.4390,
0.3921

 0.0000, 1.0000,
0.0000

 172.6461, 0.4303,

 0.0000, 0.0000,

0.3888

0.0000

212.6040, 0.4227,
0.3858

21.1917, 0.5294,
0.4132

21.1917, 0.5294,
0.4132

20.2247, 0.5395,
0.4098

23.2797, 0.5078,
0.4172

25.6528, 0.4827,
0.4159

28.3287, 0.4558,
0.4098

31.3218, 0.4287,
0.4001

34.6454, 0.4027,
0.3881

■ 38.3115, 0.3786,
0.3748

■ 42.3315, 0.3568,
0.3612

■ 46.7162, 0.3374,
0.3478

■ 51.4757, 0.3203,
0.3350

Harmonies

Analogous

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



21.1917, 0.5381, 0.3360



21.1917, 0.5294, 0.4132



21.1917, 0.4588, 0.4955

Triad

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



21.1917, 0.5294, 0.4132



21.1917, 0.1703, 0.3839



21.1917, 0.2290, 0.1716

Complementary

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



21.1917, 0.5294, 0.4132



13.2450, 0.1800, 0.1644

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.



21.1917, 0.1595, 0.1635



21.1917, 0.5294, 0.4132



21.1917, 0.1298, 0.2569

Square

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



21.1917, 0.5294, 0.4132



21.1917, 0.2538, 0.5188



21.1917, 0.1279, 0.1876



21.1917, 0.3393, 0.2073

Rectangle

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



21.1917, 0.5294, 0.4132



21.1917, 0.3939, 0.5408



21.1917, 0.1279, 0.1876



21.1917, 0.2011, 0.1657

Sweetspot

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



21.1928, 0.5294, 0.4132



74.0384, 0.3643, 0.3661



12.6417, 0.4845, 0.2475



15.5164, 0.3740, 0.3721



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.



21.1928, 0.5294, 0.4132



36.1343, 0.5418, 0.4080



50.0696, 0.4183, 0.5036



10.9010, 0.3277, 0.3407



13.4629, 0.5375, 0.4114



0.7195, 0.5043, 0.4378

Inverse Universe

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



13.2450, 0.1800, 0.1644



21.6662, 0.1757, 0.1526



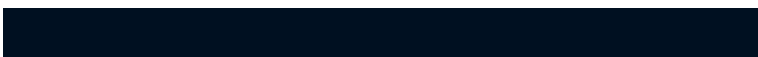
4.1738, 0.1523, 0.0638



10.5517, 0.2984, 0.3171



8.2107, 0.1771, 0.1576



0.4927, 0.1885, 0.1986

Previews

White Background



This preview shows how the Yxy color 21.1917, 0.5294, 0.4132 looks on a white background.

Color Contrast Check

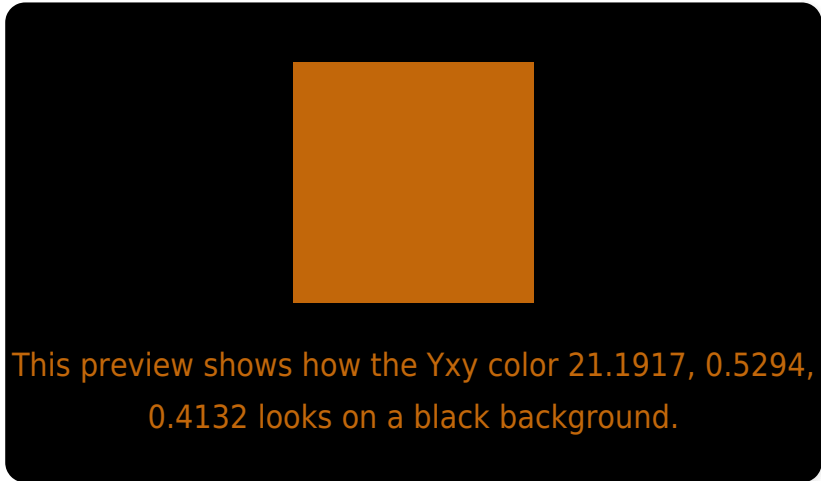
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1917, 0.5294, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 21.1917, 0.5294, 0.4132.



This preview shows how white text looks on a background with the Yxy color 21.1917, 0.5294, 0.4132.

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

21.1917, 0.5294, 0.4132

Protanopia

21.4147, 0.4347, 0.4814

Deuteranopia

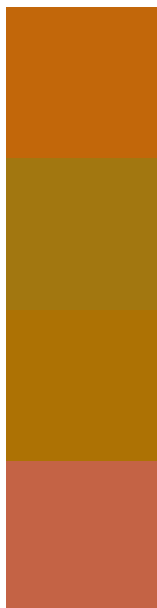
21.2518, 0.4707, 0.4645



Tritanopia

21.2153, 0.4477, 0.3203

Trichromacy



Original Color

21.1917, 0.5294, 0.4132

Protanomaly

20.9124, 0.4705, 0.4557

Deuteranomaly

20.9276, 0.4938, 0.4441

Tritanomaly

21.0891, 0.4913, 0.3661

Monochromacy



Original Color

21.1917, 0.5294, 0.4132

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.8169, 0.4019, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1917, 0.5294, 0.4132 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(194, 103, 10)` looks like.

```
.text, #text, p{  
    color:rgb(194, 103, 10)  
}
```

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(194, 103, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 103, 10) }
```

Border

The CSS property to change the border of an element to Yxy 21.1917, 0.5294, 0.4132 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(194, 103, 10) }
```

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

```
.border{ border-color:rgb(194, 103, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 103, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 103, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 103, 10);  
box-shadow:4px 4px 4px 4px rgb(194, 103,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1917, 0.5294, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 103, 10) }
```

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

```
.background{ background-color: rgb(194,  
103, 10) }
```

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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