

Converting Colors

$Y_{xy}(20.5108, 0.3953, 0.4686)$

Have a look what the booklet for
Yxy(20.5108, 0.3953, 0.4686)
contains.

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Color

Yxy(20.5115, 0.3954, 0.4686)

Conversions

Conversions Part 1

Format	Color
Hex	808131
RGB	128, 129, 49
RGB Percent	50%, 51%, 19%
CMY	0.4980, 0.4941, 0.8078
CMYK	0.01, 0.00, 0.62, 0.49
HSL	61°, 45%, 35%
HSV	61°, 62%, 51%
XYZ	17.3074, 20.5115, 5.9530
YIQ	119.5810, 25.0840, -25.0920

Conversions

Conversions Part 2

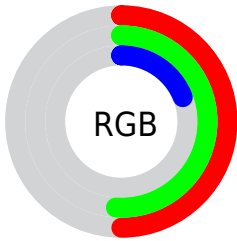
Format	Color
R_{YB}	49, 129, 50
Decimal	8421681
CIE _{Lab}	52.41, -11.47, 42.04
CIE _{LCh}	52, 43.579, 105.264
Yxy	20.5115, 0.3954, 0.4686
Android (android.graphics.Color)	4286611761 (0xFF808131)
YUV	119.5810, -34.7964, 7.3835
Hunter-Lab	45.2896, -11.0432, 23.9095

Details

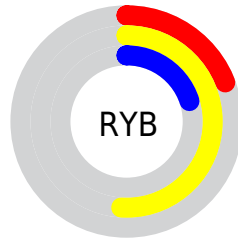
The Yxy color **20.5115, 0.3954, 0.4686** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.4603, 0.1985, 0.1388**, and the grayscale version is **18.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4240, 0.3802, 0.4386**, and **7.2738, 0.4114, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **20.4062, 0.4043, 0.4839**, and if you desaturate by 10%, it is **20.6499, 0.3845, 0.4499**.

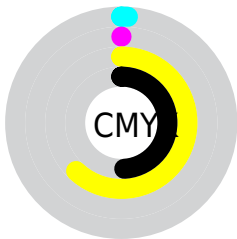
Distribution



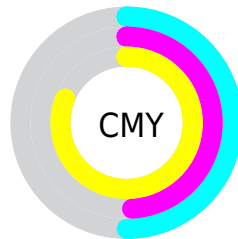
- Red (50%)
- Green (51%)
- Blue (19%)



- Red (19%)
- Yellow (51%)
- Blue (20%)



- Cyan (1%)
- Magenta (0%)
- Yellow (62%)
- Black (49%)





- Cyan (50%)
- Magenta (49%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5115, 0.3954, 0.4686 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 20.5115, 0.3954, 0.4686 by changing the saturation by 10% instead.


 20.5115, 0.3954,
0.4686


 20.5115, 0.3954,
0.4686


 254.6709, 0.3525,
0.3902


 12.7674, 0.4048,
0.4898


 44.2731, 0.3802,
0.4385


 7.2686, 0.4145,
0.5167


 61.0594, 0.3743,
0.4276

 3.6306, 0.4338,
0.5662

 81.6285, 0.3692,
0.4186

 1.4692, 0.4144,
0.5856

 106.3649, 0.3649,
0.4110

 0.2669, 0.0000,
1.0000

 135.6530, 0.3612,
0.4046

 0.0000, 0.0000,
0.0000

 169.8770, 0.3579,

0.3991

209.4215, 0.3550,
0.3944

■ 20.5115, 0.3954,
0.4686

■ 20.5115, 0.3954,
0.4686

■ 20.4062, 0.4043,
0.4839

■ 20.6499, 0.3845,
0.4499

■ 20.3284, 0.4108,
0.4953

■ 20.8210, 0.3719,
0.4286

■ 20.2759, 0.4149,
0.5026

■ 21.0279, 0.3582,
0.4055

■ 20.2434, 0.4172,
0.5069

■ 21.2726, 0.3440,
0.3815

■ 21.5569, 0.3296,
0.3573

■ 21.8827, 0.3155,
0.3337

■ 22.2515, 0.3019,
0.3110

■ 22.6648, 0.2891,
0.2896

■ 23.1242, 0.2772,
0.2696

Harmonies

Analogous

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



20.5115, 0.4517, 0.4254



20.5115, 0.3954, 0.4686



20.5115, 0.3210, 0.4711

Triad

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



20.5115, 0.3954, 0.4686



20.5115, 0.1765, 0.2581



20.5115, 0.3691, 0.2601

Complementary

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



20.5115, 0.3954, 0.4686



4.4603, 0.1985, 0.1388

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.



20.5115, 0.2875, 0.2242



20.5115, 0.3954, 0.4686



20.5115, 0.1854, 0.2188

Square

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



20.5115, 0.3954, 0.4686



20.5115, 0.1972, 0.3292



20.5115, 0.2228, 0.2091



20.5115, 0.4405, 0.3107

Rectangle

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



20.5115, 0.3954, 0.4686



20.5115, 0.2712, 0.4396



20.5115, 0.2228, 0.2091



20.5115, 0.3414, 0.2461

Sweetspot

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



20.5124, 0.3954, 0.4686



38.2170, 0.3403, 0.3753



7.0862, 0.4979, 0.3295



8.6239, 0.3438, 0.3811



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.5124, 0.3954, 0.4686



36.4843, 0.4070, 0.4886



18.0469, 0.3450, 0.4971



5.0168, 0.3254, 0.3503



19.7371, 0.4172, 0.5069



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4603, 0.1985, 0.1388



5.1867, 0.1747, 0.0998



5.9061, 0.2515, 0.1618



4.2141, 0.2994, 0.3068



1.5556, 0.1506, 0.0603



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.5115, 0.3954, 0.4686 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 20.5115, 0.3954, 0.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

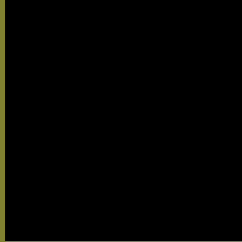
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.5115, 0.3954, 0.4686

Background



This preview shows how black text looks on a background with the Yxy color 20.5115, 0.3954, 0.4686.



This preview shows how white text looks on a background with the Yxy color 20.5115, 0.3954, 0.4686.

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

20.5115, 0.3954, 0.4686

Protanopia

20.3696, 0.4148, 0.4563

Deuteranopia

20.4101, 0.4389, 0.4321



Tritanopia

20.5207, 0.3209, 0.3132

Trichromacy



Original Color

20.5115, 0.3954, 0.4686

Protanomaly

20.2860, 0.4084, 0.4607

Deuteranomaly

20.4247, 0.4223, 0.4456

Tritanomaly

20.3414, 0.3509, 0.3712

Monochromacy



Original Color

20.5115, 0.3954, 0.4686

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.1850, 0.3465, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5115, 0.3954, 0.4686 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(128, 129, 49)` looks like.

```
.text, #text, p{  
    color:rgb(128, 129, 49)  
}
```

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(128, 129, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 129, 49) }
```

Border

The CSS property to change the border of an element to Yxy 20.5115, 0.3954, 0.4686 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(128, 129, 49) }
```

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

```
.border{ border-color:rgb(128, 129, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 129, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 129, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 129, 49);  
box-shadow:4px 4px 4px 4px rgb(128, 129,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5115, 0.3954, 0.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 129, 49) }
```

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

```
.background{ background-color: rgb(128,  
129, 49) }
```

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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