

Converting Colors

$Y_{xy}(20.2281, 0.3511, 0.4779)$

Have a look what the booklet for
Yxy(20.2281, 0.3511, 0.4779)
contains.

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Color

Yxy(20.2495, 0.3515, 0.4774)

Conversions

Conversions Part 1

Format	Color
Hex	67863B
RGB	103, 134, 59
RGB Percent	40%, 53%, 23%
CMY	0.5960, 0.4745, 0.7687
CMYK	0.23, 0.00, 0.56, 0.47
HSL	85°, 39%, 38%
HSV	85°, 56%, 53%
XYZ	14.9093, 20.2495, 7.2574
YIQ	116.1810, 5.5990, -29.8970

Conversions

Conversions Part 2

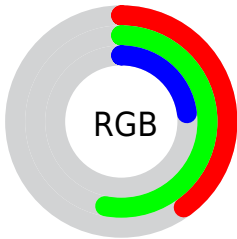
Format	Color
RYB	59, 134, 90
Decimal	6784571
CIELab	52.12, -23.96, 36.35
CIELCh	52, 43.538, 123.384
Yxy	20.2495, 0.3515, 0.4774
Android (android.graphics.Color)	4284974651 (0xFF67863B)
YUV	116.1810, -28.1902, -11.5597
Hunter-Lab	44.9994, -19.6081, 21.9374

Details

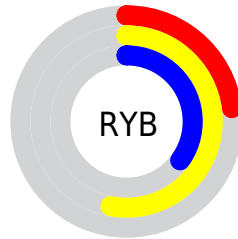
The Yxy color **20.2495, 0.3515, 0.4774** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.0187, 0.2490, 0.1734**, and the grayscale version is **17.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7127, 0.3457, 0.4413**, and **7.1173, 0.3554, 0.5396** is the 20% darker color. If you saturate the color by 10%, you get **19.8122, 0.3548, 0.5024**, and if you desaturate by 10%, it is **20.7459, 0.3465, 0.4504**.

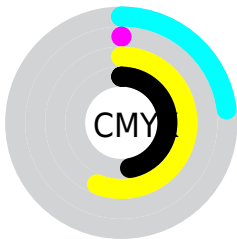
Distribution



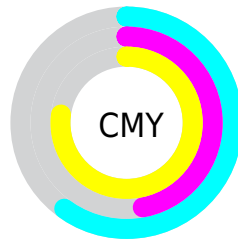
- Red (40%)
- Green (53%)
- Blue (23%)



- Red (23%)
- Yellow (53%)
- Blue (35%)



- Cyan (23%)
- Magenta (0%)
- Yellow (56%)
- Black (47%)




- Cyan (60%)
- Magenta (47%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2495, 0.3515, 0.4774 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 20.2495, 0.3515, 0.4774 by changing the saturation by 10% instead.


 20.2495, 0.3515,
0.4774


 20.2495, 0.3515,
0.4774


 253.2626, 0.3332,
0.3902


 12.5765, 0.3542,
0.5038


 43.8351, 0.3457,
0.4423

 7.1376, 0.3554,
0.5403


 60.5165, 0.3432,
0.4301


 3.5483, 0.3640,
0.6145

 80.9695, 0.3410,
0.4203

 1.4242, 0.3264,
0.6736

 105.5786, 0.3390,
0.4122

 0.2345, 0.0000,
1.0000

 134.7280, 0.3373,
0.4054

 0.0000, 0.0000,
0.0000

 168.8022, 0.3358,

0.3996

208.1856, 0.3344,
0.3946

■ 20.2495, 0.3515,
0.4774

■ 20.2495, 0.3515,
0.4774

■ 19.8122, 0.3548,
0.5024

■ 20.7459, 0.3465,
0.4504

■ 19.4282, 0.3561,
0.5242

■ 21.3017, 0.3401,
0.4225

■ 19.0948, 0.3552,
0.5418

■ 21.9204, 0.3329,
0.3949

■ 18.8062, 0.3522,
0.5548

■ 22.6045, 0.3252,
0.3683

■ 18.6980, 0.3508,
0.5596

■ 23.3563, 0.3174,
0.3432

■ 24.1781, 0.3096,
0.3199

■ 25.0718, 0.3021,
0.2985

■ 26.0396, 0.2949,
0.2791

■ 27.0832, 0.2881,
0.2616

Harmonies

Analogous

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



20.2495, 0.4212, 0.4550



20.2495, 0.3515, 0.4774



20.2495, 0.2755, 0.4441

Triad

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



20.2495, 0.3515, 0.4774



20.2495, 0.1781, 0.2302



20.2495, 0.4160, 0.2893

Complementary

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



20.2495, 0.3515, 0.4774



7.0187, 0.2490, 0.1734

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.



20.2495, 0.3362, 0.2435



20.2495, 0.3515, 0.4774



20.2495, 0.2043, 0.2094

Square

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



20.2495, 0.3515, 0.4774



20.2495, 0.1806, 0.2825



20.2495, 0.2587, 0.2152



20.2495, 0.4655, 0.3450

Rectangle

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



20.2495, 0.3515, 0.4774



20.2495, 0.2316, 0.3930



20.2495, 0.2587, 0.2152



20.2495, 0.3911, 0.2725

Sweetspot

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



20.2504, 0.3515, 0.4774



39.6527, 0.3263, 0.3719



12.5266, 0.4364, 0.3852



8.8876, 0.3276, 0.3762



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.2504, 0.3515, 0.4774



34.7304, 0.3554, 0.5082



18.5407, 0.3113, 0.4979



5.3297, 0.3199, 0.3509



17.5293, 0.3510, 0.5595



0.0650, 0.3819, 0.5350

Inverse Universe

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



7.0187, 0.2490, 0.1734



8.9961, 0.2308, 0.1393



9.3206, 0.3065, 0.1964



4.6315, 0.3051, 0.3070



2.3892, 0.1894, 0.0817



0.0124, 0.2388, 0.1089

Previews

White Background



This preview shows how the Yxy color 20.2495, 0.3515, 0.4774 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 20.2495, 0.3515, 0.4774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

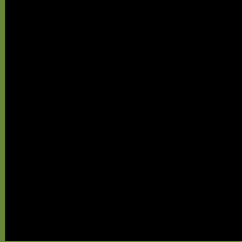
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2495, 0.3515, 0.4774

Background



This preview shows how black text looks on a background with the Yxy color 20.2495, 0.3515, 0.4774.



This preview shows how white text looks on a background with the Yxy color 20.2495, 0.3515, 0.4774.

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

20.2495, 0.3515, 0.4774

Protanopia

20.1041, 0.4075, 0.4452

Deuteranopia

19.9911, 0.4251, 0.4182



Tritanopia

20.2100, 0.2873, 0.3103

Trichromacy



Original Color

20.2495, 0.3515, 0.4774

Protanomaly

20.0937, 0.3856, 0.4581

Deuteranomaly

19.8314, 0.3964, 0.4389

Tritanomaly

20.0344, 0.3119, 0.3706

Monochromacy



Original Color

20.2495, 0.3515, 0.4774

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3716, 0.3298, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2495, 0.3515, 0.4774 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(103, 134, 59)` looks like.

```
.text, #text, p{  
    color:rgb(103, 134, 59)  
}
```

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(103, 134, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 134, 59) }
```

Border

The CSS property to change the border of an element to Yxy 20.2495, 0.3515, 0.4774 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(103, 134, 59) }
```

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

```
.border{ border-color:rgb(103, 134, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 134, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 134, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 134, 59);  
box-shadow:4px 4px 4px 4px rgb(103, 134,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2495, 0.3515, 0.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 134, 59) }
```

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

```
.background{ background-color: rgb(103,  
134, 59) }
```

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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