

Converting Colors

$Y_{xy}(20.2023, 0.3319, 0.4759)$

Have a look what the booklet for
Yxy(20.2023, 0.3319, 0.4759)
contains.

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Color

Yxy(20.2141, 0.3315, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	5B8841
RGB	91, 136, 65
RGB Percent	36%, 53%, 25%
CMY	0.6432, 0.4666, 0.7450
CMYK	0.33, 0.00, 0.52, 0.47
HSL	98°, 35%, 39%
HSV	98°, 52%, 53%
XYZ	14.0718, 20.2141, 8.1629
YIQ	114.4510, -4.0290, -31.6210

Conversions

Conversions Part 2

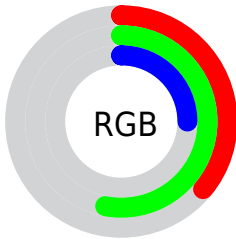
Format	Color
RYB	65, 136, 110
Decimal	5998657
CIELab	52.08, -28.93, 33.04
CIELCh	52, 43.921, 131.204
Yxy	20.2141, 0.3315, 0.4762
Android (android.graphics.Color)	4284188737 (0xFF5B8841)
YUV	114.4510, -24.3793, -20.5665
Hunter-Lab	44.9601, -22.8126, 20.7074

Details

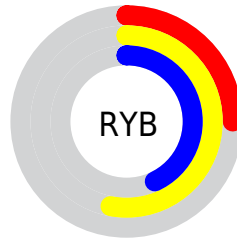
The Yxy color **20.2141, 0.3315, 0.4762** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.8772, 0.2777, 0.1931**, and the grayscale version is **17.0454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9044, 0.3293, 0.4403**, and **7.1675, 0.3292, 0.5432** is the 20% darker color. If you saturate the color by 10%, you get **19.6625, 0.3324, 0.5057**, and if you desaturate by 10%, it is **20.8558, 0.3293, 0.4456**.

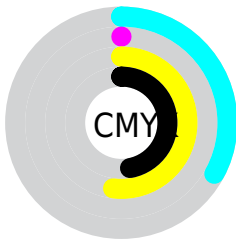
Distribution



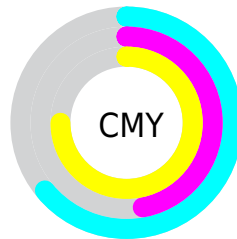
- Red (36%)
- Green (53%)
- Blue (25%)



- Red (25%)
- Yellow (53%)
- Blue (43%)



- Cyan (33%)
- Magenta (0%)
- Yellow (52%)
- Black (47%)





- Cyan (64%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2141, 0.3315, 0.4762 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 20.2141, 0.3315, 0.4762 by changing the saturation by 10% instead.


 20.2141, 0.3315,
0.4762

 20.2141, 0.3315,
0.4762


253.0718, 0.3243,
0.3886


 12.5508, 0.3313,
0.5038


 43.7758, 0.3300,
0.4404

 7.1199, 0.3286,
0.5428


 60.4431, 0.3290,
0.4282


 3.5372, 0.3258,
0.6133

 80.8803, 0.3280,
0.4183

 1.4182, 0.2848,
0.7152

 105.4721, 0.3272,
0.4103

 0.2301, 0.0000,
1.0000

 134.6027, 0.3263,
0.4035

 0.0000, 0.0000,
0.0000

168.6566, 0.3256,

0.3978

208.0182, 0.3249,
0.3929

■ 20.2141, 0.3315,
0.4762

■ 20.2141, 0.3315,
0.4762

■ 19.6625, 0.3324,
0.5057

■ 20.8558, 0.3293,
0.4456

■ 19.1939, 0.3317,
0.5325

■ 21.5892, 0.3262,
0.4152

■ 18.8042, 0.3294,
0.5550

■ 22.4188, 0.3223,
0.3861

■ 18.4878, 0.3255,
0.5719

■ 23.3483, 0.3181,
0.3590

■ 18.2817, 0.3221,
0.5825

■ 24.3811, 0.3137,
0.3341

■ 25.5204, 0.3093,
0.3117

■ 26.7694, 0.3049,
0.2916

■ 28.1308, 0.3008,
0.2736

■ 29.6077, 0.2968,
0.2577

Harmonies

Analogous

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



20.2141, 0.4054, 0.4660



20.2141, 0.3315, 0.4762



20.2141, 0.2567, 0.4271

Triad

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



20.2141, 0.3315, 0.4762



20.2141, 0.1812, 0.2211



20.2141, 0.4342, 0.3029

Complementary

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



20.2141, 0.3315, 0.4762



8.8772, 0.2777, 0.1931

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.



20.2141, 0.3584, 0.2534



20.2141, 0.3315, 0.4762



20.2141, 0.2150, 0.2076

Square

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



20.2141, 0.3315, 0.4762



20.2141, 0.1760, 0.2650



20.2141, 0.2769, 0.2197



20.2141, 0.4718, 0.3604

Rectangle

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



20.2141, 0.3315, 0.4762



20.2141, 0.2165, 0.3705



20.2141, 0.2769, 0.2197



20.2141, 0.4117, 0.2851

Sweetspot

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



20.2150, 0.3315, 0.4762



40.4417, 0.3199, 0.3700



16.7630, 0.4088, 0.4108



9.2989, 0.3206, 0.3748



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.2150, 0.3315, 0.4762



34.4568, 0.3324, 0.5118



19.2350, 0.2977, 0.4680



5.6915, 0.3168, 0.3512



17.3065, 0.3222, 0.5824



0.1228, 0.3561, 0.5554

Inverse Universe

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



8.8772, 0.2777, 0.1931



12.1090, 0.2665, 0.1631



10.5372, 0.3336, 0.2218



5.0390, 0.3083, 0.3071



3.5715, 0.2331, 0.1058



0.0320, 0.2742, 0.1284

Previews

White Background



This preview shows how the Yxy color 20.2141, 0.3315, 0.4762 looks on a white background.

Color Contrast Check

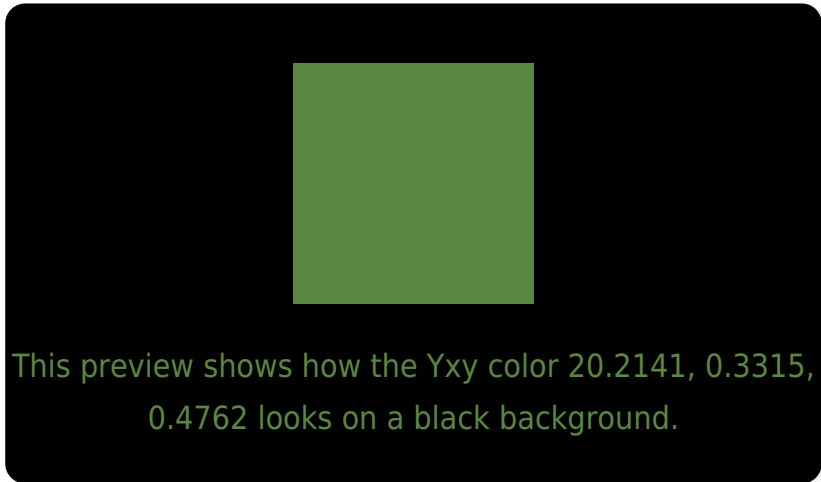
Large Text (above 18pt) WCAG AA ✓ Pass

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

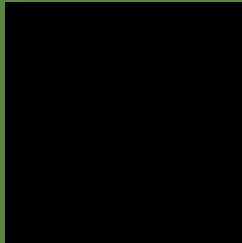
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2141, 0.3315, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 20.2141, 0.3315, 0.4762.



This preview shows how white text looks on a background with the Yxy color 20.2141, 0.3315, 0.4762.

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

20.2141, 0.3315, 0.4762

Protanopia

20.0706, 0.4014, 0.4386

Deuteranopia

19.9784, 0.4161, 0.4085



Tritanopia

20.1569, 0.2752, 0.3099

Trichromacy



Original Color

20.2141, 0.3315, 0.4762

Protanomaly

19.7792, 0.3744, 0.4534

Deuteranomaly

19.7517, 0.3827, 0.4337

Tritanomaly

20.0329, 0.2975, 0.3695

Monochromacy



Original Color

20.2141, 0.3315, 0.4762

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.8278, 0.3225, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2141, 0.3315, 0.4762 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(91, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(91, 136, 65)  
}
```

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(91, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 136, 65) }
```

Border

The CSS property to change the border of an element to Yxy 20.2141, 0.3315, 0.4762 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(91, 136, 65) }
```

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

```
.border{ border-color:rgb(91, 136, 65) }
```

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

Here you see how a box with a 4 pixel rgb(91, 136, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(91, 136,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2141, 0.3315, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 136, 65) }
```

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

```
.background{ background-color: rgb(91, 136,  
65) }
```

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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