

Converting Colors

$Y_{xy}(20.1382, 0.3537, 0.4653)$

Have a look what the booklet for
Yxy(20.1382, 0.3537, 0.4653)
contains.

Yxy(20.2597, 0.3535, 0.4667)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2597, 0.3535, 0.4667)

Conversions

Conversions Part 1

Format	Color
Hex	6B853F
RGB	107, 133, 63
RGB Percent	42%, 52%, 25%
CMY	0.5805, 0.4784, 0.7529
CMYK	0.20, 0.00, 0.53, 0.48
HSL	82°, 36%, 38%
HSV	82°, 53%, 52%
XYZ	15.3456, 20.2597, 7.8052
YIQ	117.2460, 6.9740, -27.2820

Conversions

Conversions Part 2

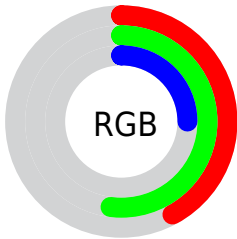
Format	Color
RYB	63, 133, 89
Decimal	7046463
CIELab	52.13, -21.40, 34.38
CIElCh	52, 40.499, 121.899
Yxy	20.2597, 0.3535, 0.4667
Android (android.graphics.Color)	4285236543 (0xFF6B853F)
YUV	117.2460, -26.7433, -8.9857
Hunter-Lab	45.0108, -17.9124, 21.2262

Details

The Yxy color $20.2597, 0.3535, 0.4667$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $7.3758, 0.2497, 0.1817$, and the grayscale version is $17.9514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7836, 0.3467, 0.4333$, and $7.0909, 0.3599, 0.5244$ is the 20% darker color. If you saturate the color by 10%, you get $19.8315, 0.3581, 0.4918$, and if you desaturate by 10%, it is $20.7431, 0.3473, 0.4399$.

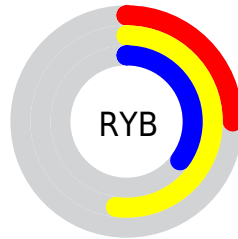
Distribution



Red (42%)

Green (52%)

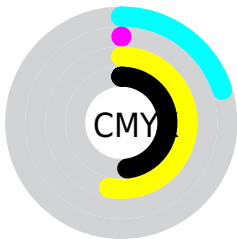
Blue (25%)



Red (25%)

Yellow (52%)

Blue (35%)

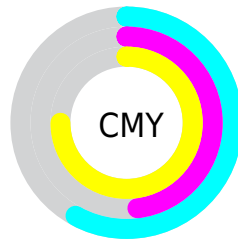


Cyan (20%)

Magenta (0%)

Yellow (53%)

Black (48%)



Cyan (58%)

Magenta (48%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2597, 0.3535, 0.4667 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 20.2597, 0.3535, 0.4667 by changing the saturation by 10% instead.

20.2597, 0.3535,
0.4667

20.2597, 0.3535,
0.4667

253.3176, 0.3334,
0.3860

12.5840, 0.3572,
0.4912

43.8522, 0.3468,
0.4342

7.1427, 0.3600,
0.5251

60.5377, 0.3440,
0.4230

3.5515, 0.3680,
0.5884

80.9952, 0.3416,
0.4139

1.4260, 0.3458,
0.6542

105.6092, 0.3396,
0.4064

0.2358, 0.0000,
1.0000

134.7641, 0.3377,
0.4001

0.0000, 0.0000,
0.0000

168.8442, 0.3361,

0.3947

208.2339, 0.3347,
0.3901

■ 20.2597, 0.3535,
0.4667

■ 20.2597, 0.3535,
0.4667

■ 19.8315, 0.3581,
0.4918

■ 20.7431, 0.3473,
0.4399

■ 19.4530, 0.3608,
0.5141

■ 21.2818, 0.3399,
0.4125

■ 19.1218, 0.3611,
0.5324

■ 21.8791, 0.3318,
0.3855

■ 18.8340, 0.3593,
0.5461

■ 22.5372, 0.3234,
0.3596

■ 18.6410, 0.3571,
0.5546

■ 23.2584, 0.3149,
0.3351

■ 24.0445, 0.3066,
0.3125

■ 24.8977, 0.2986,
0.2917

■ 25.8195, 0.2910,
0.2728

■ 26.8119, 0.2839,
0.2558

Harmonies

Analogous

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



20.2597, 0.4178, 0.4456



20.2597, 0.3535, 0.4667



20.2597, 0.2820, 0.4378

Triad

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



20.2597, 0.3535, 0.4667



20.2597, 0.1854, 0.2385



20.2597, 0.4056, 0.2897

Complementary

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



20.2597, 0.3535, 0.4667



7.3758, 0.2497, 0.1817

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.



20.2597, 0.3311, 0.2468



20.2597, 0.3535, 0.4667



20.2597, 0.2090, 0.2169

Square

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



20.2597, 0.3535, 0.4667



20.2597, 0.1894, 0.2896



20.2597, 0.2593, 0.2209



20.2597, 0.4537, 0.3424

Rectangle

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



20.2597, 0.3535, 0.4667



20.2597, 0.2400, 0.3922



20.2597, 0.2593, 0.2209



20.2597, 0.3822, 0.2739

Sweetspot

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



20.2606, 0.3535, 0.4667



39.9004, 0.3266, 0.3691



12.4371, 0.4289, 0.3779



8.9435, 0.3280, 0.3736



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.



20.2606, 0.3535, 0.4667



35.3802, 0.3587, 0.4961



18.5275, 0.3141, 0.4855



5.3388, 0.3204, 0.3508



17.7578, 0.3573, 0.5545



0.0657, 0.3862, 0.5316

Inverse Universe

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



7.3758, 0.2497, 0.1817



9.7080, 0.2316, 0.1477



9.5106, 0.3034, 0.2021



4.6227, 0.3045, 0.3070



2.2506, 0.1829, 0.0781



0.0117, 0.2314, 0.1048

Previews

White Background



This preview shows how the Yxy color 20.2597, 0.3535, 0.4667 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 20.2597, 0.3535, 0.4667 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 20.2597, 0.3535, 0.4667

Background



This preview shows how black text looks on a background with the Yxy color 20.2597, 0.3535, 0.4667.



This preview shows how white text looks on a background with the Yxy color 20.2597, 0.3535, 0.4667.

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

20.2597, 0.3535, 0.4667

Protanopia

20.0599, 0.4024, 0.4401

Deuteranopia

20.0375, 0.4208, 0.4125



Tritanopia

20.1295, 0.2916, 0.3104

Trichromacy



Original Color

20.2597, 0.3535, 0.4667

Protanomaly

19.9513, 0.3841, 0.4498

Deuteranomaly

19.7935, 0.3958, 0.4300

Tritanomaly

20.0532, 0.3157, 0.3661

Monochromacy



Original Color

20.2597, 0.3535, 0.4667

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.5397, 0.3300, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2597, 0.3535, 0.4667 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(107, 133, 63)` looks like.

```
.text, #text, p{  
    color:rgb(107, 133, 63)  
}
```

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(107, 133, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 133, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.2597, 0.3535, 0.4667 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(107, 133, 63) }
```

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

```
.border{ border-color:rgb(107, 133, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 133, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 133, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 133, 63);  
box-shadow:4px 4px 4px 4px rgb(107, 133,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2597, 0.3535, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 133, 63) }
```

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

```
.background{ background-color: rgb(107,  
133, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor