

Converting Colors

$Y_{xy}(20.1478, 0.3445, 0.4575)$

Have a look what the booklet for
Yxy(20.1478, 0.3445, 0.4575)
contains.

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Color

Yxy(20.1478, 0.3445, 0.4575)

Conversions

Conversions Part 1

Format	Color
Hex	688545
RGB	104, 133, 69
RGB Percent	41%, 52%, 27%
CMY	0.5921, 0.4784, 0.7294
CMYK	0.22, 0.00, 0.48, 0.48
HSL	87°, 32%, 40%
HSV	87°, 48%, 52%
XYZ	15.1714, 20.1478, 8.7197
YIQ	117.0330, 3.2600, -26.0520

Conversions

Conversions Part 2

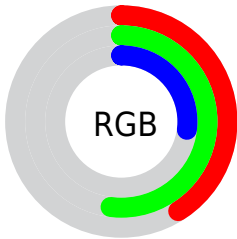
Format	Color
RYB	69, 133, 98
Decimal	6849861
CIELab	52.00, -21.89, 31.04
CIElCh	52, 37.985, 125.196
Yxy	20.1478, 0.3445, 0.4575
Android (android.graphics.Color)	4285039941 (0xFF688545)
YUV	117.0330, -23.6803, -11.4299
Hunter-Lab	44.8863, -18.2187, 19.9026

Details

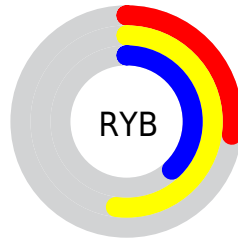
The Yxy color $20.1478, 0.3445, 0.4575$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $8.5465, 0.2639, 0.1979$, and the grayscale version is $17.8749, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5176, 0.3387, 0.4260$, and $7.0567, 0.3504, 0.5137$ is the 20% darker color. If you saturate the color by 10%, you get $19.6538, 0.3486, 0.4849$, and if you desaturate by 10%, it is $20.7064, 0.3391, 0.4292$.

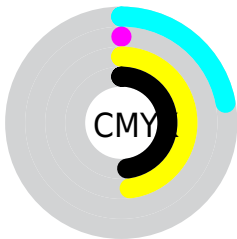
Distribution



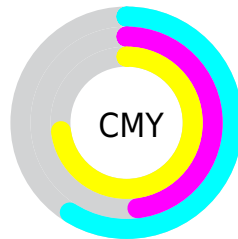
- Red (41%)
- Green (52%)
- Blue (27%)



- Red (27%)
- Yellow (52%)
- Blue (38%)



- Cyan (22%)
- Magenta (0%)
- Yellow (48%)
- Black (48%)



- Cyan (59%)
- Magenta (48%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1478, 0.3445, 0.4575 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 20.1478, 0.3445, 0.4575 by changing the saturation by 10% instead.


 20.1478, 0.3445,
0.4575

 20.1478, 0.3445,
0.4575


252.7141, 0.3290,
0.3818


 12.5025, 0.3473,
0.4810


 43.6648, 0.3394,
0.4268

 7.0869, 0.3493,
0.5141


 60.3054, 0.3372,
0.4162


 3.5165, 0.3521,
0.5697

 80.7132, 0.3354,
0.4077

 1.4070, 0.3412,
0.6588

 105.2726, 0.3338,
0.4007

 0.2218, 0.0000,
1.0000

 134.3680, 0.3323,
0.3948

 0.0000, 0.0000,
0.0000

168.3838, 0.3311,

0.3898

207.7043, 0.3300,
0.3855

■ 20.1478, 0.3445,
0.4575

■ 20.1478, 0.3445,
0.4575

■ 19.6538, 0.3486,
0.4849

■ 20.7064, 0.3391,
0.4292

■ 19.2186, 0.3509,
0.5100

■ 21.3297, 0.3327,
0.4011

■ 18.8399, 0.3512,
0.5317


■ 22.0212, 0.3257,
0.3740


■ 18.5137, 0.3493,
0.5489


■ 22.7833, 0.3186,
0.3484

■ 18.2321, 0.3457,
0.5619

■ 23.6183, 0.3114,
0.3247

 18.1821, 0.3450,
0.5643

 24.5284, 0.3044,
0.3030

 25.5157, 0.2976,
0.2833

 26.5822, 0.2913,
0.2656

 27.7297, 0.2853,
0.2496

Harmonies

Analogous

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



20.1478, 0.4067, 0.4433



20.1478, 0.3445, 0.4575



20.1478, 0.2772, 0.4245

Triad

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



20.1478, 0.3445, 0.4575



20.1478, 0.1930, 0.2402



20.1478, 0.4067, 0.2973

Complementary

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



20.1478, 0.3445, 0.4575



8.5465, 0.2639, 0.1979

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.



20.1478, 0.3383, 0.2549



20.1478, 0.3445, 0.4575



20.1478, 0.2186, 0.2220

Square

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



20.1478, 0.3445, 0.4575



20.1478, 0.1942, 0.2858



20.1478, 0.2692, 0.2282



20.1478, 0.4477, 0.3483

Rectangle

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



20.1478, 0.3445, 0.4575



20.1478, 0.2387, 0.3802



20.1478, 0.2692, 0.2282



20.1478, 0.3856, 0.2818

Sweetspot

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



20.1487, 0.3445, 0.4575



39.9383, 0.3230, 0.3641



14.1147, 0.4106, 0.3839



8.9418, 0.3244, 0.3689



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.



20.1487, 0.3445, 0.4575



35.0962, 0.3489, 0.4880



18.5906, 0.3090, 0.4728



5.3209, 0.3193, 0.3509



17.3233, 0.3451, 0.5642



0.0644, 0.3776, 0.5384

Inverse Universe

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



8.5465, 0.2639, 0.1979



11.6540, 0.2490, 0.1660



10.6802, 0.3129, 0.2151



4.6402, 0.3057, 0.3070



2.5403, 0.1964, 0.0856



0.0130, 0.2457, 0.1127

Previews

White Background



This preview shows how the Yxy color 20.1478, 0.3445, 0.4575 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 20.1478, 0.3445, 0.4575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

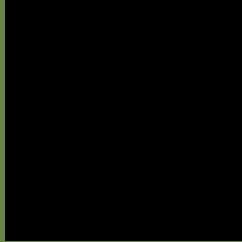
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1478, 0.3445, 0.4575

Background



This preview shows how black text looks on a background with the Yxy color 20.1478, 0.3445, 0.4575.



This preview shows how white text looks on a background with the Yxy color 20.1478, 0.3445, 0.4575.

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

20.1478, 0.3445, 0.4575

Protanopia

20.0429, 0.3950, 0.4316

Deuteranopia

19.9219, 0.4112, 0.4044



Tritanopia

20.2100, 0.2873, 0.3103

Trichromacy



Original Color

20.1478, 0.3445, 0.4575

Protanomaly

19.8691, 0.3756, 0.4412

Deuteranomaly

19.6203, 0.3853, 0.4218

Tritanomaly

20.1854, 0.3088, 0.3623

Monochromacy



Original Color

20.1478, 0.3445, 0.4575

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.5308, 0.3253, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1478, 0.3445, 0.4575 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(104, 133, 69)` looks like.

```
.text, #text, p{  
    color:rgb(104, 133, 69)  
}
```

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(104, 133, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 133, 69) }
```

Border

The CSS property to change the border of an element to Yxy 20.1478, 0.3445, 0.4575 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(104, 133, 69) }
```

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

```
.border{ border-color:rgb(104, 133, 69) }
```

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

Here you see how a box with a 4 pixel rgb(104, 133, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 133, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 133, 69);  
box-shadow:4px 4px 4px 4px rgb(104, 133,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1478, 0.3445, 0.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 133, 69) }
```

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

```
.background{ background-color: rgb(104,  
133, 69) }
```

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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