

Converting Colors

$Y_{xy}(20.3957, 0.3390, 0.4610)$

Have a look what the booklet for
Yxy(20.3957, 0.3390, 0.4610)
contains.

Yxy(20.4669, 0.3388, 0.4625)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4669, 0.3388, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	648745
RGB	100, 135, 69
RGB Percent	39%, 53%, 27%
CMY	0.6079, 0.4706, 0.7293
CMYK	0.26, 0.00, 0.49, 0.47
HSL	92°, 32%, 40%
HSV	92°, 49%, 53%
XYZ	14.9928, 20.4669, 8.7930
YIQ	117.0110, 0.3260, -27.9460

Conversions

Conversions Part 2

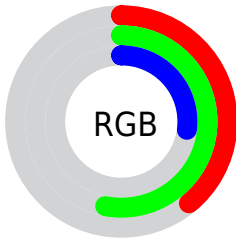
Format	Color
R_{YB}	69, 135, 104
Decimal	6588229
CIE _{Lab}	52.36, -24.50, 31.42
CIE _{LCh}	52, 39.840, 127.951
Yxy	20.4669, 0.3388, 0.4625
Android (android.graphics.Color)	4284778309 (0xFF648745)
YUV	117.0110, -23.6694, -14.9186
Hunter-Lab	45.2404, -20.0150, 20.1445

Details

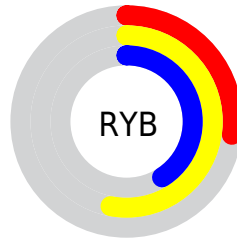
The Yxy color $20.4669, 0.3388, 0.4625$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $8.9530, 0.2704, 0.1982$, and the grayscale version is $17.8673, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9737, 0.3347, 0.4296$, and $7.2330, 0.3400, 0.5223$ is the 20% darker color. If you saturate the color by 10%, you get $19.9280, 0.3416, 0.4910$, and if you desaturate by 10%, it is $21.0816, 0.3347, 0.4332$.

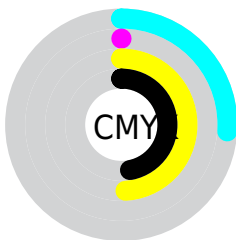
Distribution



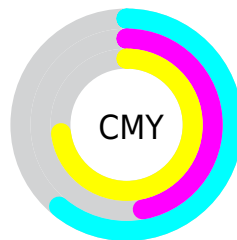
- Red (39%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (41%)



- Cyan (26%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)





- Cyan (61%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4669, 0.3388, 0.4625 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 20.4669, 0.3388, 0.4625 by changing the saturation by 10% instead.


 20.4669, 0.3388,
0.4625


 20.4669, 0.3388,
0.4625


254.4316, 0.3268,
0.3837


 12.7349, 0.3404,
0.4870


 44.1986, 0.3351,
0.4304


 7.2462, 0.3408,
0.5217


 60.9671, 0.3335,
0.4195


 3.6166, 0.3405,
0.5796

 81.5165, 0.3320,
0.4106

 1.4615, 0.3246,
0.6754

 106.2313, 0.3307,
0.4033

 0.2614, 0.0000,
1.0000

 135.4958, 0.3296,
0.3972

 0.0000, 0.0000,
0.0000

169.6944, 0.3285,

0.3920

209.2116, 0.3276,
0.3876

■ 20.4669, 0.3388,
0.4625

■ 20.4669, 0.3388,
0.4625

■ 19.9280, 0.3416,
0.4910

■ 21.0816, 0.3347,
0.4332

■ 19.4588, 0.3426,
0.5173

■ 21.7728, 0.3296,
0.4042

■ 19.0563, 0.3418,
0.5399


■ 22.5444, 0.3240,
0.3764

■ 18.7159, 0.3390,
0.5578

■ 23.3993, 0.3181,
0.3504

■ 18.4282, 0.3347,
0.5713

■ 24.3401, 0.3120,
0.3264

 18.3980, 0.3343,
0.5728

 25.3694, 0.3061,
0.3046

 26.4896, 0.3004,
0.2850

 27.7032, 0.2950,
0.2674

 29.0124, 0.2899,
0.2517

Harmonies

Analogous

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



20.4669, 0.4048, 0.4507



20.4669, 0.3388, 0.4625



20.4669, 0.2694, 0.4236

Triad

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



20.4669, 0.3388, 0.4625



20.4669, 0.1900, 0.2337



20.4669, 0.4163, 0.3004

Complementary

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



20.4669, 0.3388, 0.4625



8.9530, 0.2704, 0.1982

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.



20.4669, 0.3462, 0.2556



20.4669, 0.3388, 0.4625



20.4669, 0.2187, 0.2177

Square

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



20.4669, 0.3388, 0.4625



20.4669, 0.1884, 0.2780



20.4669, 0.2733, 0.2262



20.4669, 0.4553, 0.3535

Rectangle

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



20.4669, 0.3388, 0.4625



20.4669, 0.2308, 0.3753



20.4669, 0.2733, 0.2262



20.4669, 0.3951, 0.2842

Sweetspot

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



20.4678, 0.3388, 0.4625



40.8943, 0.3219, 0.3670



15.3038, 0.4086, 0.3926



9.4071, 0.3230, 0.3718



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.



20.4678, 0.3388, 0.4625



35.5554, 0.3418, 0.4950



19.0389, 0.3049, 0.4746



5.3039, 0.3182, 0.3510



16.9717, 0.3345, 0.5726



0.0631, 0.3688, 0.5454

Inverse Universe

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



8.9530, 0.2704, 0.1982



12.3152, 0.2571, 0.1671



11.1283, 0.3197, 0.2167



4.6571, 0.3068, 0.3071



2.8789, 0.2112, 0.0937



0.0143, 0.2585, 0.1197

Previews

White Background



This preview shows how the Yxy color 20.4669, 0.3388, 0.4625 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 20.4669, 0.3388, 0.4625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

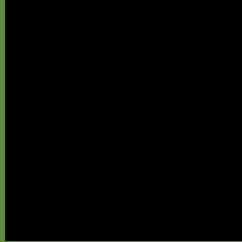
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4669, 0.3388, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 20.4669, 0.3388, 0.4625.



This preview shows how white text looks on a background with the Yxy color 20.4669, 0.3388, 0.4625.

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

20.4669, 0.3388, 0.4625

Protanopia

20.3673, 0.3965, 0.4341

Deuteranopia

20.2540, 0.4117, 0.4055



Tritanopia

20.3287, 0.2823, 0.3084

Trichromacy



Original Color

20.4669, 0.3388, 0.4625

Protanomaly

20.3789, 0.3751, 0.4458

Deuteranomaly

20.0406, 0.3825, 0.4254

Tritanomaly

20.2217, 0.3032, 0.3626

Monochromacy



Original Color

20.4669, 0.3388, 0.4625

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.7149, 0.3239, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4669, 0.3388, 0.4625 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(100, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(100, 135, 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(100, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 135, 69) }
```

Border

The CSS property to change the border of an element to Yxy 20.4669, 0.3388, 0.4625 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(100, 135, 69) }
```

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

```
.border{ border-color:rgb(100, 135, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 135, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(100, 135,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4669, 0.3388, 0.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 135, 69) }
```

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

```
.background{ background-color: rgb(100,  
135, 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](#).

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