

Converting Colors

$Y_{xy}(20.4219, 0.3449, 0.4548)$

Have a look what the booklet for
Yxy(20.4219, 0.3449, 0.4548)
contains.

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Color

Yxy(20.5566, 0.3455, 0.4561)

Conversions

Conversions Part 1

Format	Color
Hex	6A8646
RGB	106, 134, 70
RGB Percent	42%, 53%, 27%
CMY	0.5844, 0.4745, 0.7255
CMYK	0.21, 0.00, 0.48, 0.47
HSL	86°, 31%, 40%
HSV	86°, 48%, 53%
XYZ	15.5718, 20.5566, 8.9420
YIQ	118.3320, 3.8560, -25.8400

Conversions

Conversions Part 2

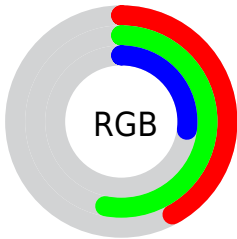
Format	Color
RYB	70, 134, 98
Decimal	6981190
CIELab	52.46, -21.50, 31.10
CIELCh	52, 37.809, 124.652
Yxy	20.5566, 0.3455, 0.4561
Android (android.graphics.Color)	4285171270 (0xFF6A8646)
YUV	118.3320, -23.8277, -10.8152
Hunter-Lab	45.3394, -18.0381, 20.0442

Details

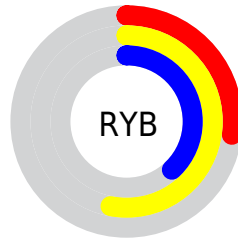
The Yxy color $20.5566, 0.3455, 0.4561$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $8.7017, 0.2630, 0.1984$, and the grayscale version is $18.3005, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.2676, 0.3404, 0.4250$, and $7.2724, 0.3521, 0.5109$ is the 20% darker color. If you saturate the color by 10%, you get $20.0594, 0.3499, 0.4833$, and if you desaturate by 10%, it is $21.1181, 0.3398, 0.4280$.

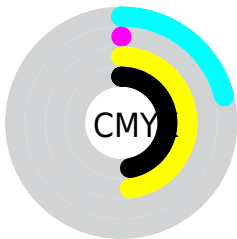
Distribution



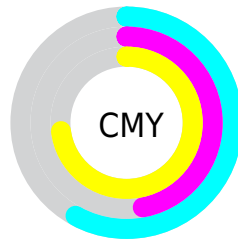
- Red (42%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (38%)



- Cyan (21%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)



- Cyan (58%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5566, 0.3455, 0.4561 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 20.5566, 0.3455, 0.4561 by changing the saturation by 10% instead.


 20.5566, 0.3455,
0.4561


 20.5566, 0.3455,
0.4561


254.9126, 0.3294,
0.3815


 12.8003, 0.3485,
0.4791


 44.3484, 0.3401,
0.4259

 7.2912, 0.3509,
0.5114


 61.1527, 0.3379,
0.4155


 3.6449, 0.3534,
0.5641

 81.7418, 0.3360,
0.4071

 1.4769, 0.3474,
0.6526

 106.5000, 0.3343,
0.4002

 0.2724, 0.0000,
1.0000

 135.8118, 0.3329,
0.3944

 0.0000, 0.0000,
0.0000

170.0616, 0.3316,

0.3895

209.6337, 0.3304,
0.3852

■ 20.5566, 0.3455,
0.4561

■ 20.5566, 0.3455,
0.4561

■ 20.0594, 0.3499,
0.4833

■ 21.1181, 0.3398,
0.4280

■ 19.6206, 0.3525,
0.5083

■ 21.7438, 0.3331,
0.4000

■ 19.2378, 0.3530,
0.5299


■ 22.4373, 0.3259,
0.3730

■ 18.9072, 0.3513,
0.5470

■ 23.2010, 0.3185,
0.3475

■ 18.6213, 0.3479,
0.5598

■ 24.0372, 0.3111,
0.3239

 18.5609, 0.3471,
0.5626

 24.9481, 0.3038,
0.3022

 25.9357, 0.2969,
0.2825

 27.0020, 0.2904,
0.2648

 28.1489, 0.2842,
0.2489

Harmonies

Analogous

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



20.5566, 0.4068, 0.4416



20.5566, 0.3455, 0.4561



20.5566, 0.2788, 0.4243

Triad

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



20.5566, 0.3455, 0.4561



20.5566, 0.1940, 0.2417



20.5566, 0.4046, 0.2968

Complementary

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



20.5566, 0.3455, 0.4561



8.7017, 0.2630, 0.1984

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.



20.5566, 0.3367, 0.2550



20.5566, 0.3455, 0.4561



20.5566, 0.2188, 0.2232

Square

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



20.5566, 0.3455, 0.4561



20.5566, 0.1956, 0.2874



20.5566, 0.2686, 0.2288



20.5566, 0.4458, 0.3473

Rectangle

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



20.5566, 0.3455, 0.4561



20.5566, 0.2404, 0.3809



20.5566, 0.2686, 0.2288



20.5566, 0.3836, 0.2815

Sweetspot

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



20.5575, 0.3455, 0.4561



39.9764, 0.3234, 0.3640



14.1983, 0.4107, 0.3816



8.9513, 0.3247, 0.3688



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.



20.5575, 0.3455, 0.4561



35.2964, 0.3500, 0.4846



18.9619, 0.3101, 0.4713



5.3242, 0.3195, 0.3509



17.3980, 0.3473, 0.5624



0.0646, 0.3792, 0.5371

Inverse Universe

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



8.7017, 0.2630, 0.1984



11.8476, 0.2486, 0.1681



10.8280, 0.3113, 0.2152



4.6370, 0.3055, 0.3070



2.4822, 0.1938, 0.0841



0.0128, 0.2431, 0.1113

Previews

White Background



This preview shows how the Yxy color 20.5566, 0.3455, 0.4561 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 20.5566, 0.3455, 0.4561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

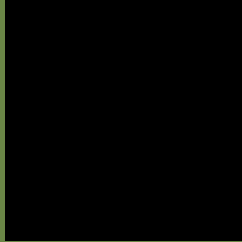
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5566, 0.3455, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 20.5566, 0.3455, 0.4561.



This preview shows how white text looks on a background with the Yxy color 20.5566, 0.3455, 0.4561.

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

20.5566, 0.3455, 0.4561

Protanopia

20.4758, 0.3958, 0.4304

Deuteranopia

20.3635, 0.4119, 0.4036



Tritanopia

20.6297, 0.2886, 0.3105

Trichromacy



Original Color

20.5566, 0.3455, 0.4561

Protanomaly

20.2913, 0.3765, 0.4399

Deuteranomaly

20.0472, 0.3862, 0.4207

Tritanomaly

20.6023, 0.3100, 0.3620

Monochromacy



Original Color

20.5566, 0.3455, 0.4561

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9323, 0.3265, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5566, 0.3455, 0.4561 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(106, 134, 70)` looks like.

```
.text, #text, p{  
    color:rgb(106, 134, 70)  
}
```

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(106, 134, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 134, 70) }
```

Border

The CSS property to change the border of an element to Yxy 20.5566, 0.3455, 0.4561 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(106, 134, 70) }
```

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

```
.border{ border-color:rgb(106, 134, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 134, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 134, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 134, 70);  
box-shadow:4px 4px 4px 4px rgb(106, 134,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5566, 0.3455, 0.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 134, 70) }
```

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

```
.background{ background-color: rgb(106,  
134, 70) }
```

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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