

Converting Colors

$Y_{xy}(20.6287, 0.3076, 0.4379)$

Have a look what the booklet for
Yxy(20.6287, 0.3076, 0.4379)
contains.

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Color

Yxy(20.5416, 0.3077, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	568956
RGB	86, 137, 86
RGB Percent	34%, 54%, 34%
CMY	0.6625, 0.4628, 0.6627
CMYK	0.37, 0.00, 0.37, 0.46
HSL	120°, 23%, 44%
HSV	120°, 37%, 54%
XYZ	14.4670, 20.5416, 12.0081
YIQ	115.9370, -14.0250, -26.6730

Conversions

Conversions Part 2

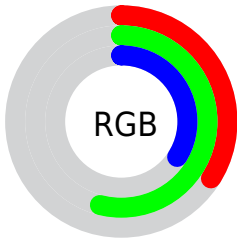
Format	Color
R_{YB}	86, 137, 137
Decimal	5671254
CIE _{Lab}	52.44, -28.06, 22.10
CIE _{LCh}	52, 35.712, 141.776
Yxy	20.5416, 0.3077, 0.4369
Android (android.graphics.Color)	4283861334 (0xFF568956)
YUV	115.9370, -14.7589, -26.2547
Hunter-Lab	45.3228, -22.3378, 16.0174

Details

The Yxy color $20.5416, 0.3077, 0.4369$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.7768, 0.3168, 0.2405$, and the grayscale version is $17.4981, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4425, 0.3104, 0.4111$, and $7.3447, 0.3002, 0.4880$ is the 20% darker color. If you saturate the color by 10%, you get $19.7532, 0.3061, 0.4715$, and if you desaturate by 10%, it is $21.4985, 0.3092, 0.4039$.

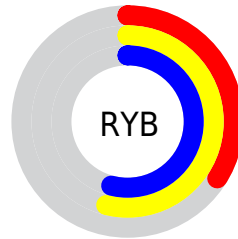
Distribution



Red (34%)

Green (54%)

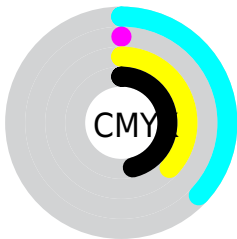
Blue (34%)



Red (34%)

Yellow (54%)

Blue (54%)

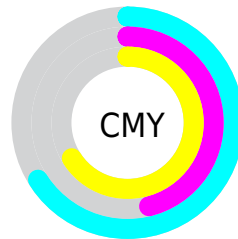


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (46%)



Cyan (66%)


Magenta (46%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5416, 0.3077, 0.4369 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 20.5416, 0.3077, 0.4369 by changing the saturation by 10% instead.


 20.5416, 0.3077,
0.4369


 20.5416, 0.3077,
0.4369


254.8322, 0.3123,
0.3726


 12.7893, 0.3052,
0.4576


 44.3234, 0.3102,
0.4104


 7.2836, 0.3008,
0.4879


 61.1217, 0.3108,
0.4015


 3.6401, 0.2918,
0.5355

 81.7041, 0.3113,
0.3943

 1.4744, 0.2976,
0.7024

 106.4551, 0.3116,
0.3884

 0.2706, 0.0000,
1.0000

 135.7590, 0.3119,
0.3835

 0.0000, 0.0000,
0.0000

170.0002, 0.3120,

0.3793

209.5632, 0.3122,
0.3758

■ 20.5416, 0.3077,
0.4369

■ 20.5416, 0.3077,
0.4369

■ 19.7532, 0.3061,
0.4715

■ 21.4985, 0.3092,
0.4039

■ 19.1212, 0.3045,
0.5059

■ 22.6301, 0.3106,
0.3737

■ 18.6359, 0.3030,
0.5378


■ 23.9454, 0.3119,
0.3465


■ 18.2855, 0.3017,
0.5647


■ 25.4522, 0.3130,
0.3227


■ 18.0565, 0.3008,
0.5844


■ 27.1575, 0.3140,
0.3019

 17.9231, 0.3002,
0.5968

 29.0684, 0.3148,
0.2840

 17.8902, 0.3000,
0.6000

 31.1913, 0.3155,
0.2686

 33.5325, 0.3161,
0.2554

 36.0978, 0.3166,
0.2440

Harmonies

Analogous

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



20.5416, 0.3709, 0.4479



20.5416, 0.3077, 0.4369



20.5416, 0.2491, 0.3844

Triad

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



20.5416, 0.3077, 0.4369



20.5416, 0.2102, 0.2330



20.5416, 0.4262, 0.3257

Complementary

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



20.5416, 0.3077, 0.4369



13.7768, 0.3168, 0.2405

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.



20.5416, 0.3737, 0.2800



20.5416, 0.3077, 0.4369



20.5416, 0.2479, 0.2287

Square

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



20.5416, 0.3077, 0.4369



20.5416, 0.1971, 0.2620



20.5416, 0.3067, 0.2457



20.5416, 0.4433, 0.3756

Rectangle

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



20.5416, 0.3077, 0.4369



20.5416, 0.2204, 0.3385



20.5416, 0.3067, 0.2457



20.5416, 0.4119, 0.3097

Sweetspot

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



20.5425, 0.3077, 0.4369



41.8976, 0.3114, 0.3571



23.6386, 0.3670, 0.4167



9.3367, 0.3113, 0.3601



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.



20.5425, 0.3077, 0.4369



35.5357, 0.3063, 0.4672



21.0083, 0.2852, 0.3833



5.6084, 0.3117, 0.3515



16.6665, 0.3000, 0.6000



0.1107, 0.3002, 0.5999

Inverse Universe

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



13.7768, 0.3168, 0.2405



21.5183, 0.3177, 0.2210



13.1525, 0.3542, 0.2808



5.1288, 0.3137, 0.3074



6.6268, 0.3207, 0.1540



0.0441, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 20.5416, 0.3077, 0.4369 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 20.5416, 0.3077, 0.4369 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 20.5416, 0.3077, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 20.5416, 0.3077, 0.4369.



This preview shows how white text looks on a background with the Yxy color 20.5416, 0.3077, 0.4369.

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

20.5416, 0.3077, 0.4369

Protanopia

20.4122, 0.3765, 0.4086

Deuteranopia

20.2277, 0.3870, 0.3790



Tritanopia

20.4297, 0.2670, 0.3079

Trichromacy



Original Color

20.5416, 0.3077, 0.4369

Protanomaly

20.1070, 0.3486, 0.4186

Deuteranomaly

20.0030, 0.3537, 0.3992

Tritanomaly

20.4827, 0.2819, 0.3530

Monochromacy



Original Color

20.5416, 0.3077, 0.4369

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.4385, 0.3109, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5416, 0.3077, 0.4369 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(86, 137, 86)` looks like.

```
.text, #text, p{  
  color:rgb(86, 137, 86)  
}
```

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(86, 137, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 137, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.5416, 0.3077, 0.4369 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(86, 137, 86) }
```

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

```
.border{ border-color:rgb(86, 137, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 137, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 137, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 137, 86);  
box-shadow:4px 4px 4px 4px rgb(86, 137,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5416, 0.3077, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 137, 86) }
```

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

```
.background{ background-color: rgb(86, 137,  
86) }
```

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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