

Converting Colors

$Y_{xy}(20.1231, 0.3124, 0.4235)$

Have a look what the booklet for
Yxy(20.1231, 0.3124, 0.4235)
contains.

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Color

Yxy(20.0986, 0.3125, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	5D8659
RGB	93, 134, 89
RGB Percent	36%, 53%, 35%
CMY	0.6354, 0.4745, 0.6509
CMYK	0.31, 0.00, 0.34, 0.47
HSL	115°, 20%, 44%
HSV	115°, 34%, 53%
XYZ	14.8412, 20.0986, 12.5521
YIQ	116.6110, -9.9910, -22.6870

Conversions

Conversions Part 2

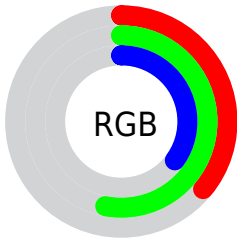
Format	Color
R_YB	89, 134, 130
Decimal	6129241
CIE _{Lab}	51.95, -23.64, 19.81
CIE _{LCh}	52, 30.843, 140.027
Yxy	20.0986, 0.3125, 0.4232
Android (android.graphics.Color)	4284319321 (0xFF5D8659)
YUV	116.6110, -13.6122, -20.7068
Hunter-Lab	44.8315, -19.3635, 14.7817

Details

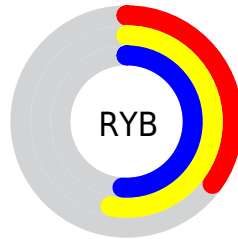
The Yxy color $20.0986, 0.3125, 0.4232$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.6188, 0.3108, 0.2476$, and the grayscale version is $17.7071, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4245, 0.3142, 0.4001$, and $7.0730, 0.3092, 0.4664$ is the 20% darker color. If you saturate the color by 10%, you get $19.3070, 0.3118, 0.4565$, and if you desaturate by 10%, it is $21.0349, 0.3128, 0.3918$.

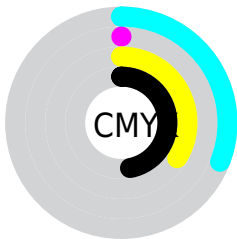
Distribution



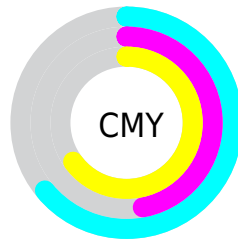
- Red (36%)
- Green (53%)
- Blue (35%)



- Red (35%)
- Yellow (53%)
- Blue (51%)



- Cyan (31%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)





- Cyan (64%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0986, 0.3125, 0.4232 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 20.0986, 0.3125, 0.4232 by changing the saturation by 10% instead.


 20.0986, 0.3125,
0.4232


 20.0986, 0.3125,
0.4232


252.4484, 0.3140,
0.3673


 12.4667, 0.3112,
0.4412


 43.5824, 0.3136,
0.4002


 7.0624, 0.3087,
0.4676


 60.2032, 0.3138,
0.3924


 3.5011, 0.3030,
0.5092

 80.5890, 0.3139,
0.3862

 1.3986, 0.3188,
0.6555

 105.1244, 0.3139,
0.3810

 0.2157, 0.0000,
1.0000

 134.1936, 0.3140,
0.3767

 0.0000, 0.0000,
0.0000

168.1810, 0.3140,

0.3731

207.4712, 0.3140,
0.3700

■ 20.0986, 0.3125,
0.4232

■ 20.0986, 0.3125,
0.4232

■ 19.3070, 0.3118,
0.4565

■ 21.0349, 0.3128,
0.3918

■ 18.6503, 0.3108,
0.4903

■ 22.1197, 0.3129,
0.3631

■ 18.1219, 0.3094,
0.5228


■ 23.3603, 0.3128,
0.3374

■ 17.7133, 0.3076,
0.5516

■ 24.7623, 0.3125,
0.3148


■ 17.4149, 0.3056,
0.5746


■ 26.3313, 0.3122,
0.2949

 17.2159, 0.3035,
0.5901

 28.0725, 0.3118,
0.2777

 17.1286, 0.3028,
0.5978

 29.9910, 0.3113,
0.2627

 32.0915, 0.3109,
0.2498

 34.3787, 0.3104,
0.2385

Harmonies

Analogous

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



20.0986, 0.3676, 0.4319



20.0986, 0.3125, 0.4232



20.0986, 0.2601, 0.3801

Triad

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



20.0986, 0.3125, 0.4232



20.0986, 0.2208, 0.2455



20.0986, 0.4094, 0.3245

Complementary

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



20.0986, 0.3125, 0.4232



13.6188, 0.3108, 0.2476

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.



20.0986, 0.3628, 0.2839



20.0986, 0.3125, 0.4232



20.0986, 0.2535, 0.2398

Square

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



20.0986, 0.3125, 0.4232



20.0986, 0.2105, 0.2732



20.0986, 0.3045, 0.2538



20.0986, 0.4268, 0.3689

Rectangle

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



20.0986, 0.3125, 0.4232



20.0986, 0.2336, 0.3413



20.0986, 0.3045, 0.2538



20.0986, 0.3964, 0.3102

Sweetspot

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



20.0995, 0.3125, 0.4232



39.6703, 0.3129, 0.3542



21.6250, 0.3636, 0.4021



8.8804, 0.3129, 0.3573



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.



20.0995, 0.3125, 0.4232



34.3652, 0.3121, 0.4474



20.2385, 0.2912, 0.3851



5.2229, 0.3129, 0.3513



16.0528, 0.3028, 0.5977



0.0568, 0.3154, 0.5877

Inverse Universe

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



13.6188, 0.3108, 0.2476



21.1892, 0.3100, 0.2302



13.4779, 0.3429, 0.2791



4.7426, 0.3124, 0.3075



5.5072, 0.2995, 0.1424



0.0206, 0.3108, 0.1486

Previews

White Background



This preview shows how the Yxy color 20.0986, 0.3125, 0.4232 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 20.0986, 0.3125, 0.4232 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 20.0986, 0.3125, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 20.0986, 0.3125, 0.4232.



This preview shows how white text looks on a background with the Yxy color 20.0986, 0.3125, 0.4232.

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

20.0986, 0.3125, 0.4232

Protanopia

19.8901, 0.3718, 0.3986

Deuteranopia

19.7493, 0.3811, 0.3746



Tritanopia

20.0981, 0.2742, 0.3098

Trichromacy



Original Color

20.0986, 0.3125, 0.4232

Protanomaly

19.7726, 0.3488, 0.4087

Deuteranomaly

19.6063, 0.3536, 0.3917

Tritanomaly

19.9740, 0.2885, 0.3489

Monochromacy



Original Color

20.0986, 0.3125, 0.4232

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.4156, 0.3124, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0986, 0.3125, 0.4232 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(93, 134, 89)` looks like.

```
.text, #text, p{  
    color:rgb(93, 134, 89)  
}
```

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(93, 134, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 134, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.0986, 0.3125, 0.4232 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(93, 134, 89) }
```

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

```
.border{ border-color:rgb(93, 134, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 134, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 134, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 134, 89);  
box-shadow:4px 4px 4px 4px rgb(93, 134,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0986, 0.3125, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 134, 89) }
```

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

```
.background{ background-color: rgb(93, 134,  
89) }
```

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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