

Converting Colors

$Y_{xy}(20.1581, 0.3079, 0.4136)$

Have a look what the booklet for
Yxy(20.1581, 0.3079, 0.4136)
contains.

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Color

$\text{Yxy}(20.1855, 0.3077, 0.4125)$

Conversions

Conversions Part 1

Format	Color
Hex	5D865E
RGB	93, 134, 94
RGB Percent	36%, 53%, 37%
CMY	0.6354, 0.4745, 0.6314
CMYK	0.31, 0.00, 0.30, 0.47
HSL	122°, 18%, 45%
HSV	122°, 31%, 53%
XYZ	15.0572, 20.1855, 13.6919
YIQ	117.1810, -11.5960, -21.1320

Conversions

Conversions Part 2

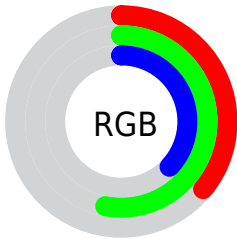
Format	Color
R_{YB}	93, 133, 134
Decimal	6129246
CIE _{Lab}	52.05, -22.76, 17.12
CIE _{LCh}	52, 28.480, 143.045
Yxy	20.1855, 0.3077, 0.4125
Android (android.graphics.Color)	4284319326 (0xFF5D865E)
YUV	117.1810, -11.4282, -21.2067
Hunter-Lab	44.9283, -18.8024, 13.3812

Details

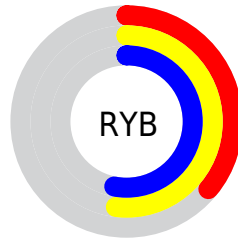
The Yxy color **20.1855, 0.3077, 0.4125** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.5850, 0.3175, 0.2576**, and the grayscale version is **17.8854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5143, 0.3090, 0.3911**, and **7.1038, 0.3040, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **19.3325, 0.3059, 0.4453**, and if you desaturate by 10%, it is **21.2024, 0.3095, 0.3821**.

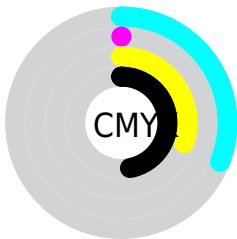
Distribution



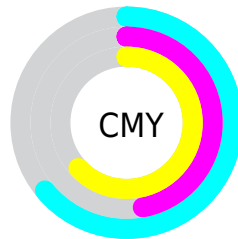
- Red (36%)
- Green (53%)
- Blue (37%)



- Red (36%)
- Yellow (52%)
- Blue (53%)



- Cyan (31%)
- Magenta (0%)
- Yellow (30%)
- Black (47%)





- Cyan (64%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1855, 0.3077, 0.4125 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 20.1855, 0.3077, 0.4125 by changing the saturation by 10% instead.


 20.1855, 0.3077,
0.4125


 20.1855, 0.3077,
0.4125


252.9176, 0.3116,
0.3630


 12.5300, 0.3059,
0.4284


 43.7280, 0.3096,
0.3922

 7.1057, 0.3028,
0.4517


 60.3837, 0.3102,
0.3853

 3.5283, 0.2967,
0.4886

 80.8082, 0.3106,
0.3798

 1.4134, 0.2991,
0.5938

 105.3861, 0.3109,
0.3752

 0.2265, 0.0000,
1.0000

134.5015, 0.3111,
0.3714

 0.0000, 0.0000,
0.0000

168.5390, 0.3113,

0.3682

207.8829, 0.3115,
0.3654

■ 20.1855, 0.3077,
0.4125

■ 20.1855, 0.3077,
0.4125

■ 19.3325, 0.3059,
0.4453

■ 21.2024, 0.3095,
0.3821

■ 18.6325, 0.3041,
0.4793

■ 22.3885, 0.3111,
0.3547

■ 18.0773, 0.3025,
0.5127


■ 23.7519, 0.3126,
0.3304

■ 17.6565, 0.3012,
0.5432


■ 25.2995, 0.3140,
0.3092


■ 17.3590, 0.3003,
0.5685

■ 27.0378, 0.3152,
0.2908

 17.1713, 0.2998,
0.5866

 28.9729, 0.3163,
0.2750

 17.0601, 0.2994,
0.5977

 31.1108, 0.3173,
0.2613

 33.4571, 0.3181,
0.2496

 36.0173, 0.3189,
0.2395

Harmonies

Analogous

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



20.1855, 0.3591, 0.4244



20.1855, 0.3077, 0.4125



20.1855, 0.2600, 0.3708

Triad

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



20.1855, 0.3077, 0.4125



20.1855, 0.2294, 0.2501



20.1855, 0.4048, 0.3294

Complementary

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



20.1855, 0.3077, 0.4125



14.5850, 0.3175, 0.2576

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.



20.1855, 0.3641, 0.2907



20.1855, 0.3077, 0.4125



20.1855, 0.2620, 0.2465

Square

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



20.1855, 0.3077, 0.4125



20.1855, 0.2176, 0.2742



20.1855, 0.3107, 0.2612



20.1855, 0.4178, 0.3708

Rectangle

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



20.1855, 0.3077, 0.4125



20.1855, 0.2365, 0.3352



20.1855, 0.3107, 0.2612



20.1855, 0.3937, 0.3159

Sweetspot

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



20.1864, 0.3077, 0.4125



39.7641, 0.3113, 0.3510



22.8555, 0.3562, 0.4026



8.8940, 0.3111, 0.3543



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.



20.1864, 0.3077, 0.4125



34.4519, 0.3064, 0.4359



20.5970, 0.2884, 0.3693



5.2065, 0.3113, 0.3508



15.9857, 0.2993, 0.5976



0.0555, 0.2963, 0.5866

Inverse Universe

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



14.5850, 0.3175, 0.2576



22.8893, 0.3188, 0.2412



14.0800, 0.3468, 0.2921



4.7609, 0.3141, 0.3081



6.2764, 0.3271, 0.1576



0.0219, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 20.1855, 0.3077, 0.4125 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 20.1855, 0.3077, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

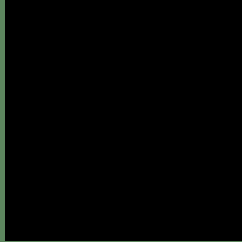
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1855, 0.3077, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 20.1855, 0.3077, 0.4125.



This preview shows how white text looks on a background with the Yxy color 20.1855, 0.3077, 0.4125.

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

20.1855, 0.3077, 0.4125

Protanopia

20.1231, 0.3652, 0.3934

Deuteranopia

20.0765, 0.3741, 0.3676



Tritanopia

20.0691, 0.2723, 0.3079

Trichromacy



Original Color

20.1855, 0.3077, 0.4125

Protanomaly

20.0452, 0.3416, 0.4010

Deuteranomaly

19.6955, 0.3477, 0.3821

Tritanomaly

19.9920, 0.2846, 0.3429

Monochromacy



Original Color

20.1855, 0.3077, 0.4125

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.4582, 0.3102, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1855, 0.3077, 0.4125 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(93, 134, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 134, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.1855, 0.3077, 0.4125 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, 94) }
```

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

```
.border{ border-color:rgb(93, 134, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 134, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 134, 94);  
box-shadow:4px 4px 4px 4px rgb(93, 134,  
94) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.1855, 0.3077, 0.4125$ 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, 94) }
```

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

```
.background{ background-color: rgb(93, 134,  
94) }
```

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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