

Converting Colors

$Y_{xy}(20.1187, 0.2935, 0.4047)$

Have a look what the booklet for
Yxy(20.1187, 0.2935, 0.4047)
contains.

Yxy(20.1136, 0.2938, 0.4055)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(20.1136, 0.2938, 0.4055)$

Conversions

Conversions Part 1

Format	Color
Hex	548763
RGB	84, 135, 99
RGB Percent	33%, 53%, 39%
CMY	0.6705, 0.4706, 0.6118
CMYK	0.38, 0.00, 0.27, 0.47
HSL	138°, 23%, 43%
HSV	138°, 38%, 53%
XYZ	14.5731, 20.1136, 14.9153
YIQ	115.6470, -18.8400, -22.0080

Conversions

Conversions Part 2

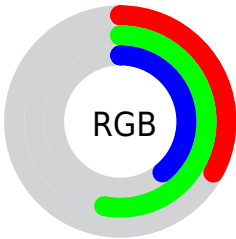
Format	Color
RYB	84, 123, 135
Decimal	5539683
CIELab	51.97, -25.34, 14.08
CIElCh	52, 28.991, 150.938
Yxy	20.1136, 0.2938, 0.4055
Android (android.graphics.Color)	4283729763 (0xFF548763)
YUV	115.6470, -8.2070, -27.7544
Hunter-Lab	44.8482, -20.4822, 11.6755

Details

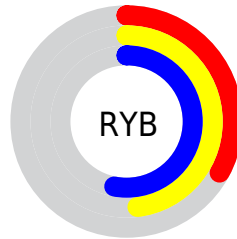
The Yxy color **20.1136, 0.2938, 0.4055** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.8517, 0.3393, 0.2634**, and the grayscale version is **17.3827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8314, 0.2990, 0.3871**, and **7.1023, 0.2843, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **19.3785, 0.2898, 0.4303**, and if you desaturate by 10%, it is **20.9920, 0.2984, 0.3824**.

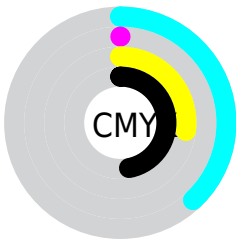
Distribution



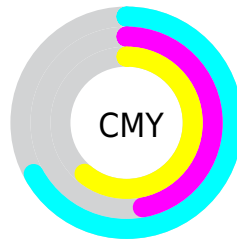
- Red (33%)
- Green (53%)
- Blue (39%)



- Red (33%)
- Yellow (48%)
- Blue (53%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (47%)





- Cyan (67%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1136, 0.2938, 0.4055 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 20.1136, 0.2938, 0.4055 by changing the saturation by 10% instead.


 20.1136, 0.2938,
0.4055


 20.1136, 0.2938,
0.4055


252.5294, 0.3055,
0.3601


 12.4776, 0.2898,
0.4202

 43.6076, 0.2988,
0.3868


 7.0699, 0.2836,
0.4417


 60.2344, 0.3004,
0.3805


 3.5058, 0.2732,
0.4762

 80.6269, 0.3017,
0.3755

 1.4012, 0.2562,
0.5606

 105.1696, 0.3027,
0.3713

 0.2176, 0.0000,
1.0000

 134.2468, 0.3036,
0.3678

 0.0000, 0.0000,
0.0000

168.2429, 0.3043,

0.3649

207.5423, 0.3049,
0.3623

■ 20.1136, 0.2938,
0.4055

■ 20.1136, 0.2938,
0.4055

■ 19.3785, 0.2898,
0.4303

■ 20.9920, 0.2984,
0.3824

■ 18.7764, 0.2867,
0.4563

■ 22.0184, 0.3035,
0.3613

■ 18.2999, 0.2848,
0.4826


■ 23.2000, 0.3087,
0.3423


■ 17.9396, 0.2843,
0.5081


■ 24.5431, 0.3139,
0.3254

■ 17.6846, 0.2854,
0.5318

■ 26.0535, 0.3190,
0.3105

 17.5130, 0.2876,
0.5525

 27.7369, 0.3239,
0.2975

 17.4788, 0.2880,
0.5568

 29.5985, 0.3286,
0.2860

 31.6434, 0.3331,
0.2761

 33.8764, 0.3372,
0.2674

Harmonies

Analogous

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



20.1136, 0.3465, 0.4264



20.1136, 0.2938, 0.4055



20.1136, 0.2486, 0.3575

Triad

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



20.1136, 0.2938, 0.4055



20.1136, 0.2348, 0.2458



20.1136, 0.4131, 0.3404

Complementary

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



20.1136, 0.2938, 0.4055



12.8517, 0.3393, 0.2634

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.



20.1136, 0.3780, 0.2997



20.1136, 0.2938, 0.4055



20.1136, 0.2729, 0.2474

Square

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



20.1136, 0.2938, 0.4055



20.1136, 0.2170, 0.2646



20.1136, 0.3251, 0.2667



20.1136, 0.4179, 0.3819

Rectangle

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



20.1136, 0.2938, 0.4055



20.1136, 0.2281, 0.3211



20.1136, 0.3251, 0.2667



20.1136, 0.4044, 0.3264

Sweetspot

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



20.1144, 0.2938, 0.4055



40.7771, 0.3068, 0.3487



22.0014, 0.3494, 0.4249



9.3862, 0.3062, 0.3508



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.



20.1144, 0.2938, 0.4055



34.9165, 0.2904, 0.4259



20.6679, 0.2713, 0.3513



5.2256, 0.3080, 0.3447



16.1197, 0.2878, 0.5562



0.0570, 0.2657, 0.4766

Inverse Universe

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



12.8517, 0.3393, 0.2634



20.0218, 0.3471, 0.2493



12.3222, 0.3811, 0.3083



4.7402, 0.3178, 0.3138



5.5202, 0.4090, 0.2027



0.0204, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 20.1136, 0.2938, 0.4055 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 20.1136, 0.2938, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

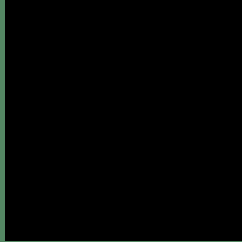
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1136, 0.2938, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 20.1136, 0.2938, 0.4055.



This preview shows how white text looks on a background with the Yxy color 20.1136, 0.2938, 0.4055.

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

20.1136, 0.2938, 0.4055

Protanopia

19.8796, 0.3584, 0.3827

Deuteranopia

20.0126, 0.3638, 0.3573



Tritanopia

20.1859, 0.2642, 0.3095

Trichromacy



Original Color

20.1136, 0.2938, 0.4055

Protanomaly

19.6681, 0.3326, 0.3901

Deuteranomaly

19.7641, 0.3352, 0.3731

Tritanomaly

20.1569, 0.2751, 0.3430

Monochromacy



Original Color

20.1136, 0.2938, 0.4055

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2348, 0.3043, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1136, 0.2938, 0.4055 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(84, 135, 99)` looks like.

```
.text, #text, p{  
    color:rgb(84, 135, 99)  
}
```

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(84, 135, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 135, 99) }
```

Border

The CSS property to change the border of an element to Yxy 20.1136, 0.2938, 0.4055 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(84, 135, 99) }
```

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

```
.border{ border-color:rgb(84, 135, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 135, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 135, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 135, 99);  
box-shadow:4px 4px 4px 4px rgb(84, 135,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.1136, 0.2938, 0.4055$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 135, 99) }
```

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

```
.background{ background-color: rgb(84, 135,  
99) }
```

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