

Converting Colors

$Y_{xy}(23.1595, 0.2675, 0.4192)$

Have a look what the booklet for
Yxy(23.1595, 0.2675, 0.4192)
contains.

Yxy(23.3198, 0.2677, 0.4198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3198, 0.2677, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	36956A
RGB	54, 149, 106
RGB Percent	21%, 58%, 42%
CMY	0.7883, 0.4157, 0.5842
CMYK	0.64, 0.00, 0.29, 0.42
HSL	153°, 47%, 40%
HSV	153°, 64%, 58%
XYZ	14.8707, 23.3198, 17.3593
YIQ	115.6930, -42.8170, -33.5130

Conversions

Conversions Part 2

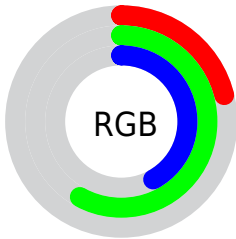
Format	Color
RYB	54, 115, 149
Decimal	3577194
CIELab	55.40, -38.34, 14.66
CIElCh	55, 41.043, 159.078
Yxy	23.3198, 0.2677, 0.4198
Android (android.graphics.Color)	4281767274 (0xFF36956A)
YUV	115.6930, -4.7786, -54.1048
Hunter-Lab	48.2906, -29.5409, 12.4901

Details

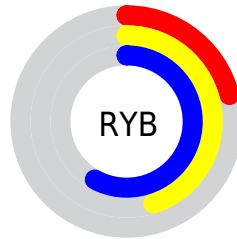
The Yxy color **23.3198, 0.2677, 0.4198** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.8894, 0.4162, 0.2593**, and the grayscale version is **17.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9996, 0.2788, 0.3991**, and **8.8652, 0.2595, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **22.8350, 0.2652, 0.4371**, and if you desaturate by 10%, it is **23.9438, 0.2719, 0.4029**.

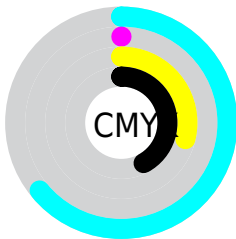
Distribution



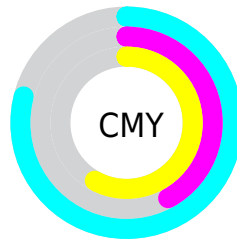
- Red (21%)
- Green (58%)
- Blue (42%)



- Red (21%)
- Yellow (45%)
- Blue (58%)



- Cyan (64%)
- Magenta (0%)
- Yellow (29%)
- Black (42%)





- Cyan (79%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3198, 0.2677, 0.4198 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 23.3198, 0.2677, 0.4198 by changing the saturation by 10% instead.


 23.3198, 0.2677,
0.4198


 23.3198, 0.2677,
0.4198


269.3633, 0.2940,
0.3666


 14.8298, 0.2595,
0.4365


 48.9179, 0.2784,
0.3982


 8.7000, 0.2476,
0.4607


 66.7948, 0.2820,
0.3908


 4.5461, 0.2293,
0.4984

 88.5695, 0.2850,
0.3848

 1.9835, 0.1956,
0.5667

 114.6264, 0.2874,
0.3799

 0.5978, 0.0000,
1.0000

 145.3498, 0.2894,
0.3758

 0.0000, 0.0000,
0.0000

181.1241, 0.2912,

0.3723

222.3339, 0.2927,
0.3693

■ 23.3198, 0.2677,
0.4198

■ 23.3198, 0.2677,
0.4198

■ 22.8350, 0.2652,
0.4371

■ 23.9438, 0.2719,
0.4029

■ 22.4744, 0.2646,
0.4544

■ 24.7148, 0.2777,
0.3867

■ 22.2244, 0.2659,
0.4713

■ 25.6435, 0.2846,
0.3715

■ 22.0989, 0.2671,
0.4817

■ 26.7386, 0.2923,
0.3575

■ 28.0082, 0.3007,
0.3446

■ 29.4599, 0.3094,
0.3331

■ 31.1008, 0.3182,
0.3227

■ 32.9377, 0.3270,
0.3135

■ 34.9768, 0.3357,
0.3053

Harmonies

Analogous

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



23.3198, 0.3360, 0.4600



23.3198, 0.2677, 0.4198



23.3198, 0.2152, 0.3458

Triad

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



23.3198, 0.2677, 0.4198



23.3198, 0.2214, 0.2189



23.3198, 0.4539, 0.3554

Complementary

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



23.3198, 0.2677, 0.4198



9.8894, 0.4162, 0.2593

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.



23.3198, 0.4170, 0.3027



23.3198, 0.2677, 0.4198



23.3198, 0.2763, 0.2282

Square

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



23.3198, 0.2677, 0.4198



23.3198, 0.1920, 0.2338



23.3198, 0.3486, 0.2579



23.3198, 0.4464, 0.4084

Rectangle

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



23.3198, 0.2677, 0.4198



23.3198, 0.1948, 0.2973



23.3198, 0.3486, 0.2579



23.3198, 0.4464, 0.3374

Sweetspot

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



23.3207, 0.2677, 0.4198



48.8406, 0.2959, 0.3517



24.3769, 0.3421, 0.5059



10.6964, 0.2938, 0.3551



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3207, 0.2677, 0.4198



40.5570, 0.2646, 0.4454



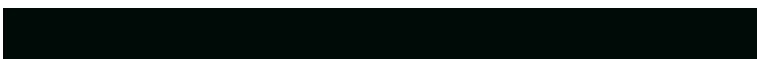
23.4610, 0.2365, 0.3226



6.5184, 0.3046, 0.3392



18.6047, 0.2668, 0.4806



0.2337, 0.2466, 0.4078

Inverse Universe

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



9.8894, 0.4162, 0.2593



14.4588, 0.4548, 0.2524



9.5976, 0.5062, 0.3344



5.8564, 0.3216, 0.3190



5.7287, 0.5107, 0.2587



0.0759, 0.4157, 0.2064

Previews

White Background



This preview shows how the Yxy color 23.3198, 0.2677, 0.4198 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 23.3198, 0.2677, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

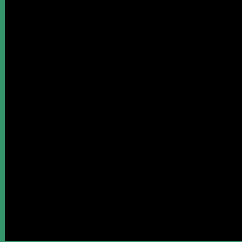
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3198, 0.2677, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 23.3198, 0.2677, 0.4198.



This preview shows how white text looks on a background with the Yxy color 23.3198, 0.2677, 0.4198.

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

23.3198, 0.2677, 0.4198

Protanopia

23.0471, 0.3612, 0.3883

Deuteranopia

23.0018, 0.3620, 0.3558



Tritanopia

23.3176, 0.2412, 0.3081

Trichromacy



Original Color

23.3198, 0.2677, 0.4198

Protanomaly

22.3678, 0.3180, 0.4008

Deuteranomaly

22.1451, 0.3182, 0.3783

Tritanomaly

23.1808, 0.2501, 0.3447

Monochromacy



Original Color

23.3198, 0.2677, 0.4198

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.9354, 0.2899, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3198, 0.2677, 0.4198 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(54, 149, 106)` looks like.

```
.text, #text, p{  
    color:rgb(54, 149, 106)  
}
```

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(54, 149, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 149, 106) }
```

Border

The CSS property to change the border of an element to Yxy 23.3198, 0.2677, 0.4198 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(54, 149, 106) }
```

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

```
.border{ border-color:rgb(54, 149, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 149, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 149, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 149, 106);  
box-shadow:4px 4px 4px 4px rgb(54, 149,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3198, 0.2677, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 149, 106) }
```

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

```
.background{ background-color: rgb(54, 149,  
106) }
```

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