

Converting Colors

$Y_{xy}(33.4281, 0.2455, 0.3052)$

Have a look what the booklet for
Yxy(33.4281, 0.2455, 0.3052)
contains.

Yxy(33.3945, 0.2453, 0.3048)	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

Yxy(33.3945, 0.2453, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	5EA7B6
RGB	94, 167, 182
RGB Percent	37%, 65%, 71%
CMY	0.6316, 0.3451, 0.2862
CMYK	0.48, 0.08, 0.00, 0.29
HSL	190°, 38%, 54%
HSV	190°, 48%, 71%
XYZ	26.8756, 33.3945, 49.2919
YIQ	146.8830, -48.3230, -10.8110

Conversions

Conversions Part 2

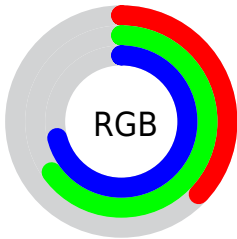
Format	Color
R_{YB}	94, 134, 182
Decimal	6203318
CIE _{Lab}	64.48, -18.71, -14.81
CIE _{LCh}	64, 23.866, 218.360
Yxy	33.3945, 0.2453, 0.3048
Android (android.graphics.Color)	4284393398 (0xFF5EA7B6)
YUV	146.8830, 17.3127, -46.3784
Hunter-Lab	57.7880, -18.1136, -10.1216

Details

The Yxy color **33.3945, 0.2453, 0.3048** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.6827, 0.4332, 0.3508**, and the grayscale version is **29.0654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8996, 0.2583, 0.3096**, and **14.2038, 0.2250, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **31.4220, 0.2346, 0.2989**, and if you desaturate by 10%, it is **35.6236, 0.2575, 0.3105**.

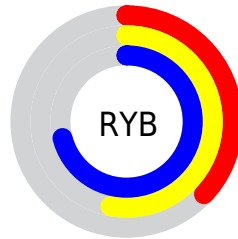
Distribution



Red (37%)

Green (65%)

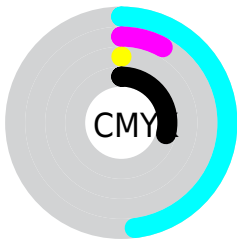
Blue (71%)



Red (37%)

Yellow (53%)

Blue (71%)

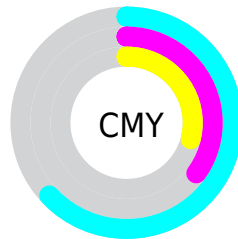


Cyan (48%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (63%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3945, 0.2453, 0.3048 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 33.3945, 0.2453, 0.3048 by changing the saturation by 10% instead.


 33.3945, 0.2453,
0.3048

 33.3945, 0.2453,
0.3048


317.4236, 0.2800,
0.3183

 22.4288, 0.2364,
0.3009


 64.9910, 0.2581,
0.3101

 14.1723, 0.2248,
0.2957


 86.3905, 0.2629,
0.3119

 8.2406, 0.2091,
0.2882


 112.0369, 0.2669,
0.3135

 4.2493, 0.1870,
0.2766

 142.3143, 0.2703,
0.3148

 1.8140, 0.1540,
0.2569

177.6074, 0.2732,
0.3158

 0.4959, 0.0065,
0.2230

218.3003, 0.2758,

 0.0000, 0.0000,

0.3168

0.0000

264.7776, 0.2780,
0.3176

■ 33.3945, 0.2453,
0.3048

■ 33.3945, 0.2453,
0.3048

■ 31.4220, 0.2346,
0.2989

■ 35.6236, 0.2575,
0.3105

■ 29.6860, 0.2257,
0.2929

■ 38.1204, 0.2708,
0.3158

■ 28.1691, 0.2186,
0.2868

■ 40.8996, 0.2851,
0.3208

■ 26.8497, 0.2134,
0.2808

■ 43.9738, 0.3000,
0.3254

■ 25.6919, 0.2099,
0.2748

■ 47.3550, 0.3152,
0.3297

■ 25.5108, 0.2094,
0.2738

■ 51.0540, 0.3305,
0.3335

■ 55.0816, 0.3456,
0.3369

■ 59.4476, 0.3604,
0.3399

■ 63.6330, 0.3725,
0.3426

Harmonies

Analogous

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



33.3945, 0.2615, 0.3399



33.3945, 0.2453, 0.3048



33.3945, 0.2459, 0.2794

Triad

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



33.3945, 0.2453, 0.3048



33.3945, 0.3314, 0.2895



33.3945, 0.3625, 0.3930

Complementary

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



33.3945, 0.2453, 0.3048



21.6827, 0.4332, 0.3508

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.



33.3945, 0.3837, 0.3745



33.3945, 0.2453, 0.3048



33.3945, 0.3656, 0.3157

Square

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



33.3945, 0.2453, 0.3048



33.3945, 0.2937, 0.2726



33.3945, 0.3852, 0.3462



33.3945, 0.3284, 0.3939

Rectangle

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



33.3945, 0.2453, 0.3048



33.3945, 0.2555, 0.2705



33.3945, 0.3852, 0.3462



33.3945, 0.3714, 0.3884

Sweetspot

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



33.3958, 0.2453, 0.3048



75.8223, 0.2897, 0.3223



36.9349, 0.2964, 0.4546



16.4955, 0.2866, 0.3213



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.3958, 0.2453, 0.3048



56.7576, 0.2341, 0.2986



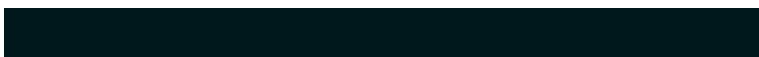
19.9976, 0.2313, 0.2292



9.9431, 0.2985, 0.3250



18.0974, 0.2096, 0.2745



0.7077, 0.2139, 0.2900

Inverse Universe

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



20.7344, 0.3364, 0.2304



31.9091, 0.3431, 0.2122



33.4255, 0.4012, 0.4107



9.1358, 0.3163, 0.3102



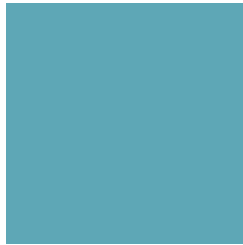
8.6093, 0.3686, 0.1804



0.3105, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 33.3945, 0.2453, 0.3048 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.3945, 0.2453, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

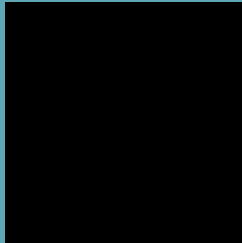
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3945, 0.2453, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 33.3945, 0.2453, 0.3048.



This preview shows how white text looks on a background with the Yxy color 33.3945, 0.2453, 0.3048.

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

33.3945, 0.2453, 0.3048

Protanopia

32.9395, 0.2940, 0.2995

Deuteranopia

33.0272, 0.2875, 0.2818



Tritanopia

33.3533, 0.2459, 0.3064

Trichromacy



Original Color

33.3945, 0.2453, 0.3048

Protanomaly

32.8761, 0.2736, 0.3014

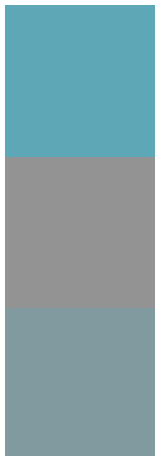
Deuteranomaly

32.5612, 0.2689, 0.2882

Tritanomaly

33.3533, 0.2459, 0.3064

Monochromacy



Original Color

33.3945, 0.2453, 0.3048

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.2385, 0.2830, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3945, 0.2453, 0.3048 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(94, 167, 182)` looks like.

```
.text, #text, p{  
    color:rgb(94, 167, 182)  
}
```

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(94, 167, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 167, 182) }
```

Border

The CSS property to change the border of an element to Yxy 33.3945, 0.2453, 0.3048 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(94, 167, 182) }
```

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

```
.border{ border-color:rgb(94, 167, 182) }
```

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

Here you see how a box with a 4 pixel rgb(94, 167, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 167, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 167, 182);  
box-shadow:4px 4px 4px 4px rgb(94, 167,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3945, 0.2453, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 167, 182) }
```

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

```
.background{ background-color: rgb(94, 167,  
182) }
```

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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