

Converting Colors

$Y_{xy}(33.1553, 0.2647, 0.2812)$

Have a look what the booklet for
Yxy(33.1553, 0.2647, 0.2812)
contains.

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Color

Yxy(33.1580, 0.2648, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	859EBE
RGB	133, 158, 190
RGB Percent	52%, 62%, 75%
CMY	0.4782, 0.3804, 0.2549
CMYK	0.30, 0.17, 0.00, 0.25
HSL	214°, 30%, 63%
HSV	214°, 30%, 75%
XYZ	31.2020, 33.1580, 53.4723
YIQ	154.1730, -25.1720, 4.6520

Conversions

Conversions Part 2

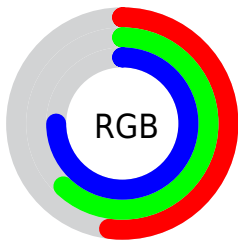
Format	Color
RYB	133, 150, 190
Decimal	8756926
CIELab	64.29, -1.15, -19.36
CIELCh	64, 19.398, 266.595
Yxy	33.1580, 0.2648, 0.2814
Android (android.graphics.Color)	4286947006 (0xFF859EBE)
YUV	154.1730, 17.6627, -18.5687
Hunter-Lab	57.5830, -4.0480, -14.7494

Details

The Yxy color **33.1580, 0.2648, 0.2814** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.5840, 0.3663, 0.3723**, and the grayscale version is **32.3297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8071, 0.2742, 0.2916**, and **14.1154, 0.2498, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **28.2615, 0.2480, 0.2623**, and if you desaturate by 10%, it is **38.6538, 0.2814, 0.2990**.

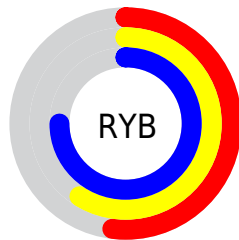
Distribution



Red (52%)

Green (62%)

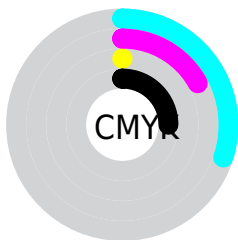
Blue (75%)



Red (52%)

Yellow (59%)

Blue (75%)

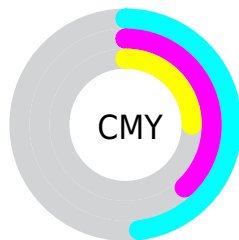


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (25%)



Cyan (48%)

Magenta (38%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1580, 0.2648, 0.2814 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 33.1580, 0.2648, 0.2814 by changing the saturation by 10% instead.

■ 33.1580, 0.2648,
0.2814

■ 33.1580, 0.2648,
0.2814

■ 316.3611, 0.2898,
0.3063

■ 22.2475, 0.2583,
0.2749

■ 64.6221, 0.2741,
0.2907

■ 14.0389, 0.2497,
0.2663

■ 85.9446, 0.2775,
0.2941

■ 8.1477, 0.2381,
0.2545

■ 111.5064, 0.2804,
0.2970

■ 4.1896, 0.2214,
0.2376

■ 141.6921, 0.2828,
0.2994

■ 1.7802, 0.1957,
0.2114

■ 176.8860, 0.2849,
0.3015

■ 0.4748, 0.1373,
0.1540

■ 217.4726, 0.2867,

■ 0.0000, 0.0000,

0.3033

0.0000

263.8361, 0.2883,
0.3049

■ 33.1580, 0.2648,
0.2814

■ 33.1580, 0.2648,
0.2814

■ 28.2615, 0.2480,
0.2623

■ 38.6538, 0.2814,
0.2990

■ 23.9373, 0.2315,
0.2418

■ 44.7668, 0.2975,
0.3148

■ 20.1618, 0.2157,
0.2204

■ 51.5186, 0.3128,
0.3290

■ 16.9080, 0.2014,
0.1986

■ 58.9288, 0.3272,
0.3417

■ 14.1458, 0.1890,
0.1770

■ 67.0159, 0.3406,
0.3528

■ 11.8410, 0.1791,
0.1564

■ 75.7977, 0.3531,
0.3625

■ 9.9347, 0.1715,
0.1374

■ 83.1307, 0.3565,
0.3723

■ 9.9285, 0.1715,
0.1373

■ 89.3570, 0.3540,
0.3824

■ 95.9557, 0.3516,
0.3922

Harmonies

Analogous

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



33.1580, 0.2558, 0.2956



33.1580, 0.2648, 0.2814



33.1580, 0.2864, 0.2797

Triad

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



33.1580, 0.2648, 0.2814



33.1580, 0.3672, 0.3336



33.1580, 0.3073, 0.3733

Complementary

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



33.1580, 0.2648, 0.2814



39.5840, 0.3663, 0.3723

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.



33.1580, 0.3375, 0.3832



33.1580, 0.2648, 0.2814



33.1580, 0.3731, 0.3583

Square

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



33.1580, 0.2648, 0.2814



33.1580, 0.3459, 0.3091



33.1580, 0.3619, 0.3770



33.1580, 0.2795, 0.3495

Rectangle

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



33.1580, 0.2648, 0.2814



33.1580, 0.3056, 0.2852



33.1580, 0.3619, 0.3770



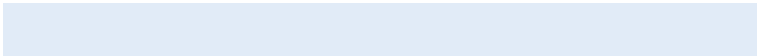
33.1580, 0.3175, 0.3784

Sweetspot

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



33.1593, 0.2648, 0.2814



82.0791, 0.2987, 0.3161



44.5148, 0.2869, 0.3667



17.6464, 0.2964, 0.3138



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.1593, 0.2648, 0.2814



54.0951, 0.2537, 0.2689



25.7389, 0.2631, 0.2433



9.8939, 0.2984, 0.3158



6.7523, 0.1722, 0.1397



0.3948, 0.1853, 0.1871

Inverse Universe

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



30.2097, 0.3500, 0.2953



48.4393, 0.3614, 0.2876



49.1084, 0.3548, 0.4035



9.6039, 0.3222, 0.3190



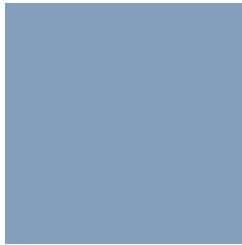
7.7113, 0.5195, 0.2635



0.3152, 0.4602, 0.2309

Previews

White Background



This preview shows how the Yxy color 33.1580, 0.2648, 0.2814 looks on a white background.

Color Contrast Check

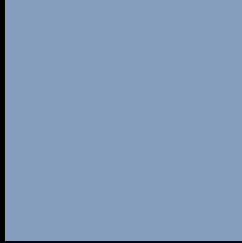
Large Text (above 18pt) WCAG AA × Fail

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 33.1580, 0.2648, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

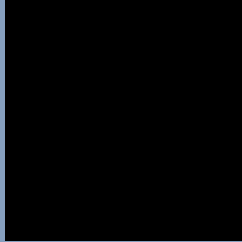
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

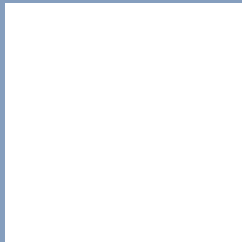
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1580, 0.2648, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 33.1580, 0.2648, 0.2814.



This preview shows how white text looks on a background with the Yxy color 33.1580, 0.2648, 0.2814.

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

33.1580, 0.2648, 0.2814

Protanopia

32.9950, 0.2789, 0.2811

Deuteranopia

32.9904, 0.2799, 0.2735



Tritanopia

33.2129, 0.2737, 0.3088

Trichromacy



Original Color

33.1580, 0.2648, 0.2814

Protanomaly

32.9132, 0.2739, 0.2806

Deuteranomaly

32.9838, 0.2741, 0.2755

Tritanomaly

33.1827, 0.2699, 0.2984

Monochromacy



Original Color

33.1580, 0.2648, 0.2814

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3437, 0.2935, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1580, 0.2648, 0.2814 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(133, 158, 190)` looks like.

```
.text, #text, p{  
    color:rgb(133, 158, 190)  
}
```

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(133, 158, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 158, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.1580, 0.2648, 0.2814 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(133, 158, 190) }
```

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

```
.border{ border-color:rgb(133, 158, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 158, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 158, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 158, 190);  
box-shadow:4px 4px 4px 4px rgb(133, 158,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1580, 0.2648, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 158, 190) }
```

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

```
.background{ background-color: rgb(133,  
158, 190) }
```

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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