

Converting Colors

$Yxy(33.5830, 0.2643, 0.2763)$

Have a look what the booklet for
Yxy(33.5830, 0.2643, 0.2763)
contains.

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Color

Yxy(33.5830, 0.2643, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	889EC2
RGB	136, 158, 194
RGB Percent	53%, 62%, 76%
CMY	0.4665, 0.3804, 0.2391
CMYK	0.30, 0.19, 0.00, 0.24
HSL	217°, 32%, 65%
HSV	217°, 30%, 76%
XYZ	32.1245, 33.5830, 55.8380
YIQ	155.5260, -24.6680, 6.5320

Conversions

Conversions Part 2

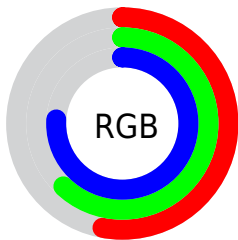
Format	Color
R_{YB}	136, 152, 194
Decimal	8953538
CIE Lab	64.63, 0.74, -21.07
CIE LCh	65, 21.081, 272.016
Yxy	33.5830, 0.2643, 0.2763
Android (android.graphics.Color)	4287143618 (0xFF889EC2)
YUV	155.5260, 18.9677, -17.1243
Hunter-Lab	57.9508, -2.4643, -16.5627

Details

The Yxy color **33.5830, 0.2643, 0.2763** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.7833, 0.3649, 0.3765**, and the grayscale version is **32.9502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5007, 0.2732, 0.2866**, and **14.2937, 0.2491, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **28.1902, 0.2469, 0.2550**, and if you desaturate by 10%, it is **39.6761, 0.2813, 0.2958**.

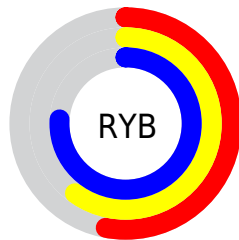
Distribution



Red (53%)

Green (62%)

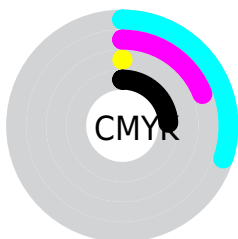
Blue (76%)



Red (53%)

Yellow (60%)

Blue (76%)

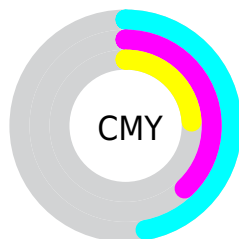


Cyan (30%)

Magenta (19%)

Yellow (0%)

Black (24%)



Cyan (47%)

Magenta (38%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5830, 0.2643, 0.2763 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 33.5830, 0.2643, 0.2763 by changing the saturation by 10% instead.

■ 33.5830, 0.2643,
0.2763

■ 33.5830, 0.2643,
0.2763

■ 318.2686, 0.2895,
0.3037

■ 22.5734, 0.2577,
0.2692

■ 65.2847, 0.2737,
0.2865

■ 14.2789, 0.2492,
0.2599

■ 86.7456, 0.2771,
0.2902

■ 8.3149, 0.2375,
0.2473

■ 112.4590, 0.2800,
0.2933

■ 4.2971, 0.2208,
0.2294

■ 142.8095, 0.2825,
0.2960

■ 1.8411, 0.1954,
0.2021

■ 178.1812, 0.2846,
0.2983

■ 0.5126, 0.1448,
0.1468

■ 218.9588, 0.2864,

■ 0.0000, 0.0000,

0.3003

0.0000

265.5264, 0.2881,
0.3021

■ 33.5830, 0.2643,
0.2763

■ 33.5830, 0.2643,
0.2763

■ 28.1902, 0.2469,
0.2550

■ 39.6761, 0.2813,
0.2958

■ 23.4664, 0.2297,
0.2323

■ 46.4913, 0.2976,
0.3134

■ 19.3833, 0.2131,
0.2086

■ 54.0543, 0.3129,
0.3292

■ 15.9089, 0.1979,
0.1846

■ 62.3883, 0.3272,
0.3431

■ 13.0079, 0.1849,
0.1612

■ 71.5153, 0.3404,
0.3553

■ 10.6400, 0.1744,
0.1393

■ 81.4565, 0.3525,
0.3660

■ 8.7402, 0.1666,
0.1197

■ 88.8936, 0.3517,
0.3773

■ 8.7196, 0.1665,
0.1195

■ 96.3249, 0.3491,
0.3885

■ 96.6758, 0.3490,
0.3890

Harmonies

Analogous

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



33.5830, 0.2520, 0.2891



33.5830, 0.2643, 0.2763



33.5830, 0.2895, 0.2770

Triad

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



33.5830, 0.2643, 0.2763



33.5830, 0.3743, 0.3388



33.5830, 0.3008, 0.3734

Complementary

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



33.5830, 0.2643, 0.2763



42.7833, 0.3649, 0.3765

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.



33.5830, 0.3337, 0.3873



33.5830, 0.2643, 0.2763



33.5830, 0.3772, 0.3648

Square

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



33.5830, 0.2643, 0.2763



33.5830, 0.3538, 0.3120



33.5830, 0.3619, 0.3832



33.5830, 0.2722, 0.3455

Rectangle

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



33.5830, 0.2643, 0.2763



33.5830, 0.3109, 0.2844



33.5830, 0.3619, 0.3832



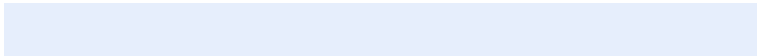
33.5830, 0.3118, 0.3799

Sweetspot

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



33.5843, 0.2643, 0.2763



85.1767, 0.2987, 0.3147



46.8003, 0.2844, 0.3608



18.2300, 0.2964, 0.3122



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.5843, 0.2643, 0.2763



54.1598, 0.2527, 0.2622



27.3395, 0.2666, 0.2442



10.3589, 0.2984, 0.3143



5.8785, 0.1672, 0.1219



0.3871, 0.1800, 0.1680

Inverse Universe

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



31.5610, 0.3537, 0.2998



50.4525, 0.3665, 0.2930



50.9673, 0.3514, 0.4043



10.1396, 0.3231, 0.3203



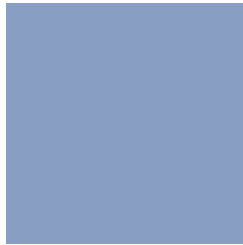
7.8757, 0.5439, 0.2770



0.3537, 0.4832, 0.2435

Previews

White Background



This preview shows how the Yxy color 33.5830, 0.2643, 0.2763 looks on a white background.

Color Contrast Check

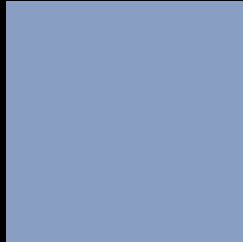
Large Text (above 18pt) WCAG AA × Fail

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 33.5830, 0.2643, 0.2763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

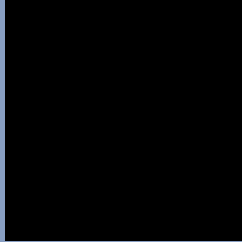
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5830, 0.2643, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 33.5830, 0.2643, 0.2763.



This preview shows how white text looks on a background with the Yxy color 33.5830, 0.2643, 0.2763.

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

33.5830, 0.2643, 0.2763

Protanopia

33.5444, 0.2751, 0.2759

Deuteranopia

33.3980, 0.2760, 0.2696



Tritanopia

33.4513, 0.2761, 0.3089

Trichromacy



Original Color

33.5830, 0.2643, 0.2763

Protanomaly

33.5565, 0.2712, 0.2756

Deuteranomaly

33.4938, 0.2712, 0.2717

Tritanomaly

33.4644, 0.2716, 0.2972

Monochromacy



Original Color

33.5830, 0.2643, 0.2763

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.4058, 0.2938, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5830, 0.2643, 0.2763 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(136, 158, 194)` looks like.

```
.text, #text, p{  
    color:rgb(136, 158, 194)  
}
```

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(136, 158, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 158, 194) }
```

Border

The CSS property to change the border of an element to Yxy 33.5830, 0.2643, 0.2763 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(136, 158, 194) }
```

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

```
.border{ border-color:rgb(136, 158, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 158, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 158, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 158, 194);  
box-shadow:4px 4px 4px 4px rgb(136, 158,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5830, 0.2643, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 158, 194) }
```

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

```
.background{ background-color: rgb(136,  
158, 194) }
```

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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