

Converting Colors

$Y_{xy}(33.8529, 0.2629, 0.2817)$

Have a look what the booklet for
Yxy(33.8529, 0.2629, 0.2817)
contains.

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Color

Yxy(33.8529, 0.2629, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	84A0C0
RGB	132, 160, 192
RGB Percent	52%, 63%, 75%
CMY	0.4825, 0.3725, 0.2471
CMYK	0.31, 0.17, 0.00, 0.25
HSL	212°, 32%, 64%
HSV	212°, 31%, 75%
XYZ	31.5936, 33.8529, 54.7271
YIQ	155.2760, -26.9600, 4.0160

Conversions

Conversions Part 2

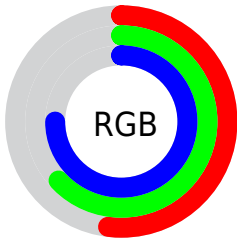
Format	Color
RYB	132, 151, 192
Decimal	8691904
CIELab	64.85, -2.12, -19.63
CIElCh	65, 19.742, 263.848
Yxy	33.8529, 0.2629, 0.2817
Android (android.graphics.Color)	4286881984 (0xFF84A0C0)
YUV	155.2760, 18.1049, -20.4131
Hunter-Lab	58.1832, -4.8948, -15.0398

Details

The Yxy color **33.8529, 0.2629, 0.2817** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.3909, 0.3697, 0.3720**, and the grayscale version is **32.8310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8173, 0.2726, 0.2918**, and **14.4777, 0.2476, 0.2682** is the 20% darker color. If you saturate the color by 10%, you get **29.0464, 0.2464, 0.2635**, and if you desaturate by 10%, it is **39.2384, 0.2794, 0.2985**.

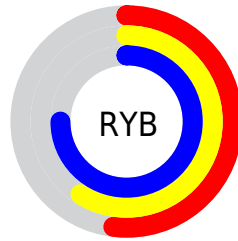
Distribution



Red (52%)

Green (63%)

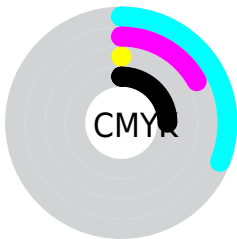
Blue (75%)



Red (52%)

Yellow (59%)

Blue (75%)

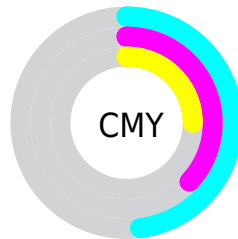


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (25%)



Cyan (48%)

Magenta (37%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8529, 0.2629, 0.2817 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 33.8529, 0.2629, 0.2817 by changing the saturation by 10% instead.

■ 33.8529, 0.2629,
0.2817

■ 33.8529, 0.2629,
0.2817

■ 319.4756, 0.2887,
0.3064

■ 22.7806, 0.2562,
0.2752

■ 65.7049, 0.2725,
0.2909

■ 14.4316, 0.2474,
0.2667

■ 87.2533, 0.2760,
0.2943

■ 8.4215, 0.2355,
0.2551

■ 113.0626, 0.2790,
0.2971

■ 4.3658, 0.2186,
0.2385

■ 143.5172, 0.2815,
0.2996

■ 1.8802, 0.1927,
0.2128

■ 179.0013, 0.2837,
0.3016

■ 0.5364, 0.1376,
0.1611

■ 219.8995, 0.2856,

■ 0.0000, 0.0000,

0.3034

0.0000

266.5962, 0.2873,
0.3050

■ 33.8529, 0.2629,
0.2817

■ 33.8529, 0.2629,
0.2817

■ 29.0464, 0.2464,
0.2635

■ 39.2384, 0.2794,
0.2985

■ 24.7922, 0.2303,
0.2440

■ 45.2200, 0.2954,
0.3137

■ 21.0673, 0.2151,
0.2237

■ 51.8190, 0.3108,
0.3274

■ 17.8450, 0.2014,
0.2030

■ 59.0545, 0.3254,
0.3395

■ 15.0955, 0.1897,
0.1825

■ 66.9445, 0.3391,
0.3503

■ 12.7847, 0.1804,
0.1628

■ 75.5062, 0.3519,
0.3597

■ 11.0752, 0.1741,
0.1466

■ 82.5414, 0.3555,
0.3691

■ 88.4515, 0.3531,
0.3788

■ 94.7017, 0.3508,
0.3883

Harmonies

Analogous

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



33.8529, 0.2551, 0.2972



33.8529, 0.2629, 0.2817



33.8529, 0.2836, 0.2788

Triad

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



33.8529, 0.2629, 0.2817



33.8529, 0.3664, 0.3313



33.8529, 0.3100, 0.3754

Complementary

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



33.8529, 0.2629, 0.2817



39.3909, 0.3697, 0.3720

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.



33.8529, 0.3404, 0.3839



33.8529, 0.2629, 0.2817



33.8529, 0.3739, 0.3565

Square

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



33.8529, 0.2629, 0.2817



33.8529, 0.3437, 0.3068



33.8529, 0.3641, 0.3762



33.8529, 0.2814, 0.3523

Rectangle

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



33.8529, 0.2629, 0.2817



33.8529, 0.3027, 0.2837



33.8529, 0.3641, 0.3762



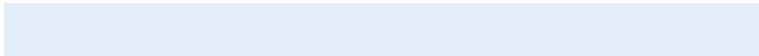
33.8529, 0.3204, 0.3801

Sweetspot

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



33.8542, 0.2629, 0.2817



84.3978, 0.2987, 0.3167



45.2363, 0.2872, 0.3716



17.7424, 0.2964, 0.3147



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.



33.8542, 0.2629, 0.2817



54.8581, 0.2508, 0.2684



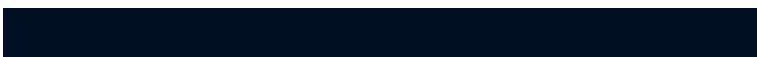
25.2780, 0.2587, 0.2385



10.5069, 0.2984, 0.3164



7.6070, 0.1747, 0.1489



0.4665, 0.1865, 0.1914

Inverse Universe

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



30.2329, 0.3501, 0.2914



47.8665, 0.3624, 0.2823



50.4299, 0.3584, 0.4063



10.1545, 0.3217, 0.3183



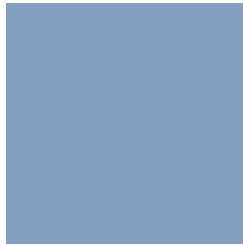
8.0502, 0.5073, 0.2568



0.3617, 0.4551, 0.2281

Previews

White Background



This preview shows how the Yxy color 33.8529, 0.2629, 0.2817 looks on a white background.

Color Contrast Check

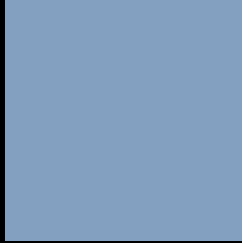
Large Text (above 18pt) WCAG AA × Fail

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 33.8529, 0.2629, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

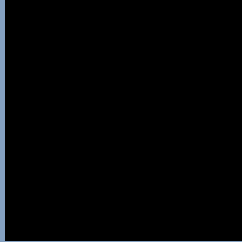
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

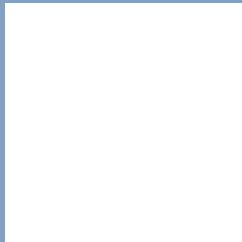
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8529, 0.2629, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 33.8529, 0.2629, 0.2817.



This preview shows how white text looks on a background with the Yxy color 33.8529, 0.2629, 0.2817.

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

33.8529, 0.2629, 0.2817

Protanopia

33.9351, 0.2792, 0.2816

Deuteranopia

33.8315, 0.2794, 0.2739



Tritanopia

33.9182, 0.2717, 0.3089

Trichromacy



Original Color

33.8529, 0.2629, 0.2817

Protanomaly

33.6713, 0.2727, 0.2810

Deuteranomaly

33.7382, 0.2728, 0.2758

Tritanomaly

33.8852, 0.2680, 0.2986

Monochromacy



Original Color

33.8529, 0.2629, 0.2817

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.1441, 0.2937, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8529, 0.2629, 0.2817 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(132, 160, 192)` looks like.

```
.text, #text, p{  
    color:rgb(132, 160, 192)  
}
```

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(132, 160, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 160, 192) }
```

Border

The CSS property to change the border of an element to Yxy 33.8529, 0.2629, 0.2817 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(132, 160, 192) }
```

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

```
.border{ border-color:rgb(132, 160, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 160, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 160, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 160, 192);  
box-shadow:4px 4px 4px 4px rgb(132, 160,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8529, 0.2629, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 160, 192) }
```

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

```
.background{ background-color: rgb(132,  
160, 192) }
```

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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