

Converting Colors

$Y_{xy}(33.1484, 0.2319, 0.2632)$

Have a look what the booklet for
Yxy(33.1484, 0.2319, 0.2632)
contains.

Yxy(33.2408, 0.2317, 0.2629)	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(33.2408, 0.2317, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	61A3CF
RGB	97, 163, 207
RGB Percent	38%, 64%, 81%
CMY	0.6193, 0.3608, 0.1882
CMYK	0.53, 0.21, 0.00, 0.19
HSL	204°, 53%, 60%
HSV	204°, 53%, 81%
XYZ	29.2959, 33.2408, 63.9022
YIQ	148.2820, -53.4600, -0.3080

Conversions

Conversions Part 2

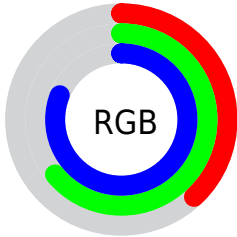
Format	Color
R_{YB}	97, 138, 207
Decimal	6398927
CIE _{Lab}	64.36, -8.61, -28.90
CIE _{LCh}	64, 30.160, 253.410
Yxy	33.2408, 0.2317, 0.2629
Android (android.graphics.Color)	4284589007 (0xFF61A3CF)
YUV	148.2820, 28.9480, -44.9743
Hunter-Lab	57.6548, -10.1955, -25.3562

Details

The Yxy color **33.2408, 0.2317, 0.2629** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **33.2087, 0.4332, 0.3843**, and the grayscale version is **29.6404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2328, 0.2512, 0.2858**, and **13.9760, 0.2080, 0.2420** is the 20% darker color. If you saturate the color by 10%, you get **29.4009, 0.2186, 0.2477**, and if you desaturate by 10%, it is **37.5728, 0.2461, 0.2775**.

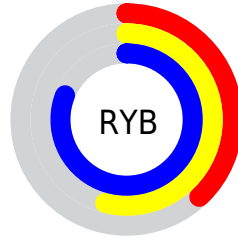
Distribution



Red (38%)

Green (64%)

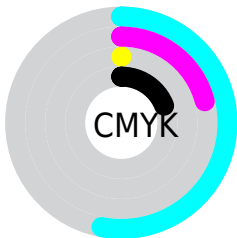
Blue (81%)



Red (38%)

Yellow (54%)

Blue (81%)

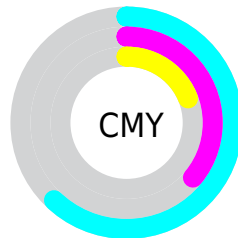


Cyan (53%)

Magenta (21%)

Yellow (0%)

Black (19%)



Cyan (62%)

Magenta (36%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2408, 0.2317, 0.2629 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 33.2408, 0.2317, 0.2629 by changing the saturation by 10% instead.

■ 33.2408, 0.2317,
0.2629

■ 33.2408, 0.2317,
0.2629

■ 316.7334, 0.2730,
0.2976

■ 22.3110, 0.2213,
0.2539

■ 64.7513, 0.2468,
0.2758

■ 14.0856, 0.2080,
0.2421

■ 86.1008, 0.2525,
0.2806

■ 8.1802, 0.1904,
0.2262

■ 111.6922, 0.2572,
0.2846

■ 4.2105, 0.1664,
0.2039

■ 141.9101, 0.2613,
0.2880

■ 1.7920, 0.1325,
0.1710

■ 177.1387, 0.2648,
0.2909

■ 0.4822, 0.0577,
0.1122

■ 217.7626, 0.2679,

■ 0.0000, 0.0000,

0.2934

0.0000

264.1660, 0.2706,
0.2956

■ 33.2408, 0.2317,
0.2629

■ 33.2408, 0.2317,
0.2629

■ 29.4009, 0.2186,
0.2477

■ 37.5728, 0.2461,
0.2775

■ 26.0221, 0.2072,
0.2322

■ 42.4179, 0.2612,
0.2912

■ 23.0748, 0.1977,
0.2166

■ 47.7998, 0.2768,
0.3039

■ 20.5223, 0.1905,
0.2014

■ 53.7396, 0.2925,
0.3155

■ 18.9489, 0.1864,
0.1911

■ 60.2570, 0.3080,
0.3260

■ 67.3705, 0.3230,
0.3354

■ 75.0979, 0.3375,
0.3437

■ 81.9684, 0.3457,
0.3515

■ 86.6732, 0.3442,
0.3596

Harmonies

Analogous

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



33.2408, 0.2274, 0.2911



33.2408, 0.2317, 0.2629



33.2408, 0.2557, 0.2534

Triad

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



33.2408, 0.2317, 0.2629



33.2408, 0.3857, 0.3180



33.2408, 0.3238, 0.4099

Complementary

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



33.2408, 0.2317, 0.2629



33.2087, 0.4332, 0.3843

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.



33.2408, 0.3683, 0.4120



33.2408, 0.2317, 0.2629



33.2408, 0.4063, 0.3556

Square

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



33.2408, 0.2317, 0.2629



33.2408, 0.3440, 0.2846



33.2408, 0.3992, 0.3902



33.2408, 0.2783, 0.3802

Rectangle

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



33.2408, 0.2317, 0.2629



33.2408, 0.2811, 0.2570



33.2408, 0.3992, 0.3902



33.2408, 0.3394, 0.4138

Sweetspot

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



33.2420, 0.2317, 0.2629



83.0822, 0.2877, 0.3120



49.0961, 0.2808, 0.4300



17.3551, 0.2844, 0.3096



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.



33.2420, 0.2317, 0.2629



46.1618, 0.2166, 0.2451



17.7933, 0.2142, 0.1767



12.5797, 0.2983, 0.3195



12.1284, 0.1870, 0.1932



0.8312, 0.1947, 0.2207

Inverse Universe

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



24.4751, 0.3717, 0.2484



32.5822, 0.3912, 0.2347



53.6134, 0.3956, 0.4452



11.9256, 0.3198, 0.3152



9.2956, 0.4531, 0.2270



0.5352, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 33.2408, 0.2317, 0.2629 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 33.2408, 0.2317, 0.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

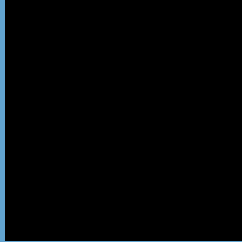
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

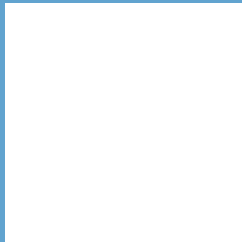
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2408, 0.2317, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 33.2408, 0.2317, 0.2629.



This preview shows how white text looks on a background with the Yxy color 33.2408, 0.2317, 0.2629.

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

33.2408, 0.2317, 0.2629

Protanopia

33.1210, 0.2650, 0.2635

Deuteranopia

32.9614, 0.2562, 0.2505



Tritanopia

33.4162, 0.2429, 0.3078

Trichromacy



Original Color

33.2408, 0.2317, 0.2629

Protanomaly

32.8614, 0.2505, 0.2619

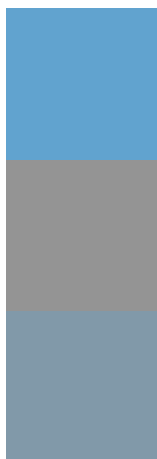
Deuteranomaly

32.9531, 0.2460, 0.2553

Tritanomaly

33.2143, 0.2387, 0.2910

Monochromacy



Original Color

33.2408, 0.2317, 0.2629

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3142, 0.2765, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2408, 0.2317, 0.2629 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(97, 163, 207)` looks like.

```
.text, #text, p{  
    color:rgb(97, 163, 207)  
}
```

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(97, 163, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 163, 207) }
```

Border

The CSS property to change the border of an element to Yxy 33.2408, 0.2317, 0.2629 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(97, 163, 207) }
```

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

```
.border{ border-color:rgb(97, 163, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 163, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 163, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 163, 207);  
box-shadow:4px 4px 4px 4px rgb(97, 163,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2408, 0.2317, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 163, 207) }
```

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

```
.background{ background-color: rgb(97, 163,  
207) }
```

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