

Converting Colors

$Yxy(33.9801, 0.2346, 0.2590)$

Have a look what the booklet for
Yxy(33.9801, 0.2346, 0.2590)
contains.

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Color

Yxy(33.9617, 0.2345, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	6AA3D3
RGB	106, 163, 211
RGB Percent	42%, 64%, 83%
CMY	0.5845, 0.3608, 0.1725
CMYK	0.50, 0.23, 0.00, 0.17
HSL	207°, 54%, 62%
HSV	207°, 50%, 83%
XYZ	30.7967, 33.9617, 66.5707
YIQ	151.4290, -49.3800, 2.8440

Conversions

Conversions Part 2

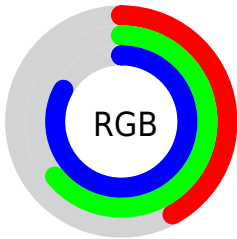
Format	Color
R _Y B	106, 143, 211
Decimal	6988755
CIE Lab	64.93, -5.43, -30.21
CIE LCh	65, 30.693, 259.818
Yxy	33.9617, 0.2345, 0.2586
Android (android.graphics.Color)	4285178835 (0xFF6AA3D3)
YUV	151.4290, 29.3685, -39.8412
Hunter-Lab	58.2767, -7.6547, -26.9346

Details

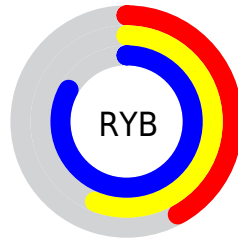
The Yxy color **33.9617, 0.2345, 0.2586** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.9926, 0.4194, 0.3884**, and the grayscale version is **31.0256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0442, 0.2554, 0.2863**, and **14.3735, 0.2115, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **29.5307, 0.2201, 0.2413**, and if you desaturate by 10%, it is **38.9743, 0.2499, 0.2751**.

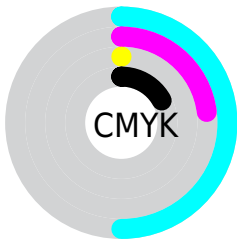
Distribution



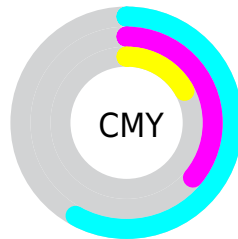
- Red (42%)
- Green (64%)
- Blue (83%)



- Red (42%)
- Yellow (56%)
- Blue (83%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)



- Cyan (58%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9617, 0.2345, 0.2586 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 33.9617, 0.2345, 0.2586 by changing the saturation by 10% instead.

■ 33.9617, 0.2345,
0.2586

■ 33.9617, 0.2345,
0.2586

■ 319.9612, 0.2743,
0.2951

■ 22.8642, 0.2245,
0.2492

■ 65.8741, 0.2490,
0.2721

■ 14.4932, 0.2117,
0.2371

■ 87.4578, 0.2545,
0.2771

■ 8.4645, 0.1948,
0.2210

■ 113.3056, 0.2591,
0.2813

■ 4.3936, 0.1718,
0.1986

■ 143.8020, 0.2630,
0.2849

■ 1.8961, 0.1393,
0.1660

■ 179.3314, 0.2664,
0.2880

■ 0.5460, 0.0789,
0.1115

■ 220.2781, 0.2694,

■ 0.0000, 0.0000,

0.2906

0.0000

267.0266, 0.2720,
0.2930

■ 33.9617, 0.2345,
0.2586

■ 33.9617, 0.2345,
0.2586

■ 29.5307, 0.2201,
0.2413

■ 38.9743, 0.2499,
0.2751

■ 25.6481, 0.2073,
0.2235

■ 44.5918, 0.2658,
0.2905

■ 22.2820, 0.1963,
0.2056

■ 50.8403, 0.2818,
0.3047

■ 19.3941, 0.1876,
0.1881

■ 57.7431, 0.2977,
0.3176

■ 16.9210, 0.1810,
0.1713

■ 65.3222, 0.3130,
0.3292

■ 16.8710, 0.1808,
0.1710

■ 73.5983, 0.3278,
0.3396

■ 82.5912, 0.3418,
0.3487

■ 88.3746, 0.3411,
0.3580

■ 94.2089, 0.3396,
0.3672

Harmonies

Analogous

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



33.9617, 0.2258, 0.2831



33.9617, 0.2345, 0.2586



33.9617, 0.2626, 0.2530

Triad

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



33.9617, 0.2345, 0.2586



33.9617, 0.3931, 0.3258



33.9617, 0.3137, 0.4066

Complementary

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



33.9617, 0.2345, 0.2586



37.9926, 0.4194, 0.3884

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.



33.9617, 0.3600, 0.4148



33.9617, 0.2345, 0.2586



33.9617, 0.4081, 0.3638

Square

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



33.9617, 0.2345, 0.2586



33.9617, 0.3545, 0.2907



33.9617, 0.3952, 0.3969



33.9617, 0.2692, 0.3716

Rectangle

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



33.9617, 0.2345, 0.2586



33.9617, 0.2903, 0.2591



33.9617, 0.3952, 0.3969



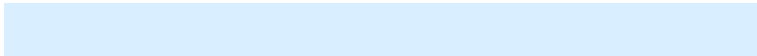
33.9617, 0.3295, 0.4126

Sweetspot

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



33.9630, 0.2345, 0.2586



82.8035, 0.2892, 0.3109



51.9665, 0.2792, 0.4144



17.2469, 0.2858, 0.3081



0.0000, 0.0000, 0.0000



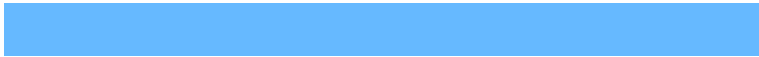
21.4041, 0.3127, 0.3290

Same Dimension

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



33.9630, 0.2345, 0.2586



44.7766, 0.2190, 0.2397



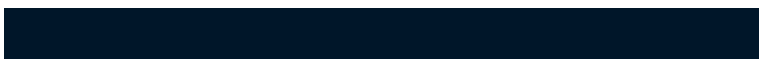
19.1814, 0.2194, 0.1798



12.4661, 0.2983, 0.3181



10.3872, 0.1815, 0.1735



0.7385, 0.1902, 0.2045

Inverse Universe

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



26.7961, 0.3743, 0.2596



34.2689, 0.3948, 0.2471



58.9204, 0.3880, 0.4441



11.9141, 0.3207, 0.3164



9.1199, 0.4764, 0.2398



0.5258, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 33.9617, 0.2345, 0.2586 looks on a white background.

Color Contrast Check

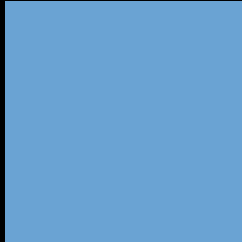
Large Text (above 18pt) WCAG AA × Fail

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 33.9617, 0.2345, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

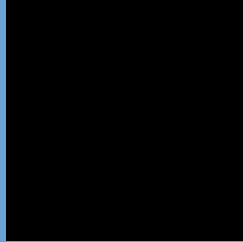
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9617, 0.2345, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 33.9617, 0.2345, 0.2586.

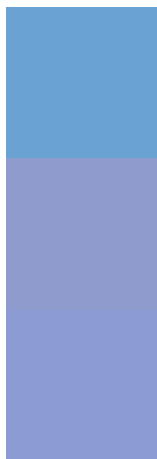


This preview shows how white text looks on a background with the Yxy color 33.9617, 0.2345, 0.2586.

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

33.9617, 0.2345, 0.2586

Protanopia

33.6901, 0.2616, 0.2587

Deuteranopia

33.9095, 0.2547, 0.2488



Tritanopia

33.8695, 0.2468, 0.3065

Trichromacy



Original Color

33.9617, 0.2345, 0.2586

Protanomaly

33.7045, 0.2511, 0.2588

Deuteranomaly

33.7964, 0.2466, 0.2524

Tritanomaly

33.8320, 0.2420, 0.2871

Monochromacy



Original Color

33.9617, 0.2345, 0.2586

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6107, 0.2787, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9617, 0.2345, 0.2586 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(106, 163, 211)` looks like.

```
.text, #text, p{  
    color:rgb(106, 163, 211)  
}
```

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(106, 163, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 163, 211) }
```

Border

The CSS property to change the border of an element to Yxy 33.9617, 0.2345, 0.2586 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(106, 163, 211) }
```

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

```
.border{ border-color:rgb(106, 163, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 163, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 163, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 163, 211);  
box-shadow:4px 4px 4px 4px rgb(106, 163,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9617, 0.2345, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 163, 211) }
```

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

```
.background{ background-color: rgb(106,  
163, 211) }
```

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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