

Converting Colors

$Yxy(33.1174, 0.2161, 0.2333)$

Have a look what the booklet for
Yxy(33.1174, 0.2161, 0.2333)
contains.

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Color

Yxy(33.1174, 0.2161, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	57A1E4
RGB	87, 161, 228
RGB Percent	34%, 63%, 89%
CMY	0.6588, 0.3686, 0.1060
CMYK	0.62, 0.29, 0.00, 0.11
HSL	209°, 72%, 62%
HSV	209°, 62%, 89%
XYZ	30.6758, 33.1174, 78.1588
YIQ	146.5120, -65.6110, 5.1490

Conversions

Conversions Part 2

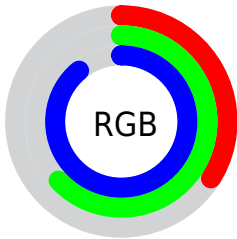
Format	Color
R _Y B	87, 136, 228
Decimal	5743076
CIE Lab	64.26, -2.96, -40.70
CIE LCh	64, 40.811, 265.840
Yxy	33.1174, 0.2161, 0.2333
Android (android.graphics.Color)	4283933156 (0xFF57A1E4)
YUV	146.5120, 40.1736, -52.1920
Hunter-Lab	57.5477, -5.5590, -40.2417

Details

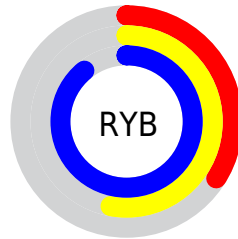
The Yxy color **33.1174, 0.2161, 0.2333** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **40.2799, 0.4528, 0.4030**, and the grayscale version is **28.8178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6276, 0.2478, 0.2831**, and **14.1304, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **28.5662, 0.2033, 0.2146**, and if you desaturate by 10%, it is **38.3452, 0.2305, 0.2516**.

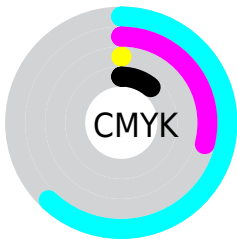
Distribution



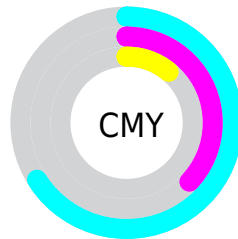
- Red (34%)
- Green (63%)
- Blue (89%)



- Red (34%)
- Yellow (53%)
- Blue (89%)



- Cyan (62%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)





- Cyan (66%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1174, 0.2161, 0.2333 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 33.1174, 0.2161, 0.2333 by changing the saturation by 10% instead.


 33.1174, 0.2161,
0.2333


 33.1174, 0.2161,
0.2333


316.1784, 0.2648,
0.2820


 22.2164, 0.2042,
0.2213


 64.5588, 0.2337,
0.2510

 14.0160, 0.1892,
0.2060


 85.8679, 0.2403,
0.2576

 8.1318, 0.1699,
0.1863


 111.4153, 0.2460,
0.2633

 4.1794, 0.1444,
0.1600

 141.5852, 0.2508,
0.2681

 1.7744, 0.1105,
0.1245

176.7621, 0.2550,
0.2723

 0.4711, 0.0558,
0.0700

217.3303, 0.2587,

 0.0000, 0.0000,

0.2759

0.0000

263.6743, 0.2619,
0.2791

■ 33.1174, 0.2161,
0.2333

■ 33.1174, 0.2161,
0.2333

■ 28.5662, 0.2033,
0.2146

■ 38.3452, 0.2305,
0.2516

■ 24.6459, 0.1926,
0.1960

■ 44.2835, 0.2460,
0.2691

■ 21.3083, 0.1842,
0.1780

■ 50.9676, 0.2620,
0.2855

■ 18.9563, 0.1789,
0.1640

■ 58.4289, 0.2783,
0.3007

■ 66.6968, 0.2943,
0.3145

75.7988, 0.3099,
0.3269

85.7610, 0.3248,
0.3379

93.7781, 0.3294,
0.3482

98.3803, 0.3286,
0.3552

Harmonies

Analogous

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



33.1174, 0.1999, 0.2584



33.1174, 0.2161, 0.2333



33.1174, 0.2563, 0.2320

Triad

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



33.1174, 0.2161, 0.2333



33.1174, 0.4278, 0.3325



33.1174, 0.2996, 0.4290

Complementary

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



33.1174, 0.2161, 0.2333



40.2799, 0.4528, 0.4030

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.



33.1174, 0.3617, 0.4459



33.1174, 0.2161, 0.2333



33.1174, 0.4393, 0.3813

Square

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



33.1174, 0.2161, 0.2333



33.1174, 0.3805, 0.2868



33.1174, 0.4135, 0.4241



33.1174, 0.2442, 0.3741

Rectangle

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



33.1174, 0.2161, 0.2333



33.1174, 0.2944, 0.2427



33.1174, 0.4135, 0.4241



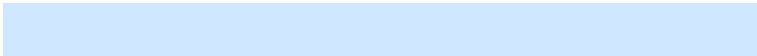
33.1174, 0.3204, 0.4395

Sweetspot

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



33.1186, 0.2161, 0.2333



78.1250, 0.2827, 0.3046



59.7946, 0.2734, 0.4371



16.0895, 0.2780, 0.3005



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.



33.1186, 0.2161, 0.2333



35.4289, 0.2003, 0.2097



15.2282, 0.1938, 0.1358



15.1331, 0.2981, 0.3176



11.1875, 0.1796, 0.1666



1.0125, 0.1867, 0.1920

Inverse Universe

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



25.8800, 0.4014, 0.2483



27.9213, 0.4295, 0.2397



70.1039, 0.4021, 0.4684



14.4938, 0.3210, 0.3167



10.3271, 0.4849, 0.2445



0.7819, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 33.1174, 0.2161, 0.2333 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 33.1174, 0.2161, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

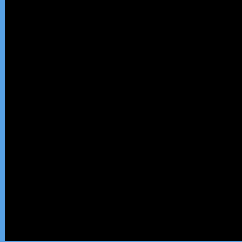
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1174, 0.2161, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 33.1174, 0.2161, 0.2333.



This preview shows how white text looks on a background with the Yxy color 33.1174, 0.2161, 0.2333.

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

33.1174, 0.2161, 0.2333

Protanopia

32.9895, 0.2435, 0.2355

Deuteranopia

32.9619, 0.2315, 0.2254



Tritanopia

33.3266, 0.2322, 0.3074

Trichromacy



Original Color

33.1174, 0.2161, 0.2333

Protanomaly

32.8718, 0.2315, 0.2338

Deuteranomaly

33.0223, 0.2252, 0.2288

Tritanomaly

33.2168, 0.2261, 0.2787

Monochromacy



Original Color

33.1174, 0.2161, 0.2333

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9510, 0.2675, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1174, 0.2161, 0.2333 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(87, 161, 228)` looks like.

```
.text, #text, p{  
    color:rgb(87, 161, 228)  
}
```

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(87, 161, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 161, 228) }
```

Border

The CSS property to change the border of an element to Yxy 33.1174, 0.2161, 0.2333 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(87, 161, 228) }
```

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

```
.border{ border-color:rgb(87, 161, 228) }
```

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

Here you see how a box with a 4 pixel rgb(87, 161, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 161, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 161, 228);  
box-shadow:4px 4px 4px 4px rgb(87, 161,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1174, 0.2161, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 161, 228) }
```

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

```
.background{ background-color: rgb(87, 161,  
228) }
```

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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