

Converting Colors

$Y_{xy}(33.1032, 0.2338, 0.2558)$

Have a look what the booklet for
Yxy(33.1032, 0.2338, 0.2558)
contains.

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Color

Yxy(33.1461, 0.2339, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	69A1D2
RGB	105, 161, 210
RGB Percent	41%, 63%, 82%
CMY	0.5883, 0.3686, 0.1765
CMYK	0.50, 0.23, 0.00, 0.18
HSL	208°, 54%, 62%
HSV	208°, 50%, 82%
XYZ	30.2021, 33.1461, 65.7757
YIQ	149.8420, -49.1050, 3.3670

Conversions

Conversions Part 2

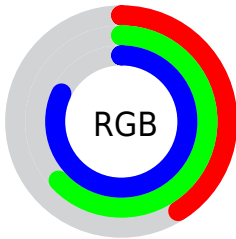
Format	Color
RYB	105, 142, 210
Decimal	6922706
CIELab	64.28, -4.84, -30.66
CIELCh	64, 31.036, 261.037
Yxy	33.1461, 0.2339, 0.2567
Android (android.graphics.Color)	4285112786 (0xFF69A1D2)
YUV	149.8420, 29.6579, -39.3264
Hunter-Lab	57.5726, -7.1127, -27.4369

Details

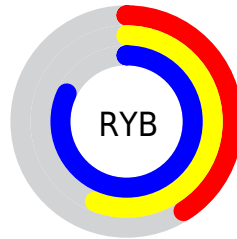
The Yxy color **33.1461, 0.2339, 0.2567** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8276, 0.4193, 0.3899**, and the grayscale version is **30.3165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9088, 0.2545, 0.2839**, and **14.0993, 0.2111, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **28.7374, 0.2194, 0.2390**, and if you desaturate by 10%, it is **38.1395, 0.2494, 0.2736**.

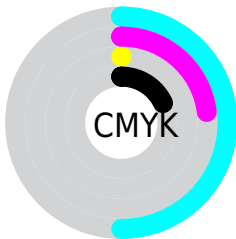
Distribution



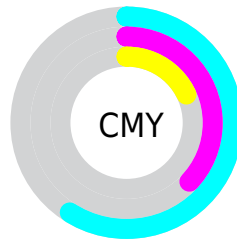
- Red (41%)
- Green (63%)
- Blue (82%)



- Red (41%)
- Yellow (56%)
- Blue (82%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1461, 0.2339, 0.2567 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 33.1461, 0.2339, 0.2567 by changing the saturation by 10% instead.

■ 33.1461, 0.2339,
0.2567

■ 33.1461, 0.2339,
0.2567

■ 316.3076, 0.2742,
0.2942

■ 22.2384, 0.2238,
0.2471

■ 64.6036, 0.2486,
0.2706

■ 14.0322, 0.2107,
0.2346

■ 85.9221, 0.2542,
0.2757

■ 8.1430, 0.1936,
0.2179

■ 111.4797, 0.2588,
0.2801

■ 4.1866, 0.1701,
0.1948

■ 141.6608, 0.2628,
0.2837

■ 1.7785, 0.1368,
0.1612

■ 176.8497, 0.2662,
0.2869

■ 0.4737, 0.0714,
0.1018

■ 217.4309, 0.2692,

■ 0.0000, 0.0000,

0.2897

0.0000

263.7887, 0.2718,
0.2921

■ 33.1461, 0.2339,
0.2567

■ 33.1461, 0.2339,
0.2567

■ 28.7374, 0.2194,
0.2390

■ 38.1395, 0.2494,
0.2736

■ 24.8801, 0.2065,
0.2208

■ 43.7411, 0.2653,
0.2894

■ 21.5423, 0.1954,
0.2025


■ 49.9770, 0.2814,
0.3039


■ 18.6855, 0.1866,
0.1847


■ 56.8707, 0.2973,
0.3171

■ 16.2449, 0.1799,
0.1677

■ 64.4442, 0.3127,
0.3290

 72.7183, 0.3274,
0.3396

 81.7131, 0.3414,
0.3489

 87.8738, 0.3419,
0.3583

 93.7798, 0.3403,
0.3676

Harmonies

Analogous

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



33.1461, 0.2242, 0.2807



33.1461, 0.2339, 0.2567



33.1461, 0.2632, 0.2518

Triad

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



33.1461, 0.2339, 0.2567



33.1461, 0.3958, 0.3272



33.1461, 0.3116, 0.4073

Complementary

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



33.1461, 0.2339, 0.2567



37.8276, 0.4193, 0.3899

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.



33.1461, 0.3590, 0.4167



33.1461, 0.2339, 0.2567



33.1461, 0.4099, 0.3658

Square

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



33.1461, 0.2339, 0.2567



33.1461, 0.3572, 0.2913



33.1461, 0.3956, 0.3993



33.1461, 0.2667, 0.3706

Rectangle

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



33.1461, 0.2339, 0.2567



33.1461, 0.2917, 0.2585



33.1461, 0.3956, 0.3993



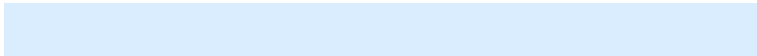
33.1461, 0.3278, 0.4138

Sweetspot

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



33.1473, 0.2339, 0.2567



82.5906, 0.2892, 0.3105



51.3693, 0.2791, 0.4148



17.1956, 0.2858, 0.3076



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.



33.1473, 0.2339, 0.2567



44.1653, 0.2185, 0.2378



18.8607, 0.2190, 0.1791



12.4469, 0.2983, 0.3179



10.1127, 0.1806, 0.1702



0.7235, 0.1894, 0.2018

Inverse Universe

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



26.3766, 0.3759, 0.2605



34.2072, 0.3966, 0.2485



58.2622, 0.3883, 0.4445



11.9122, 0.3208, 0.3167



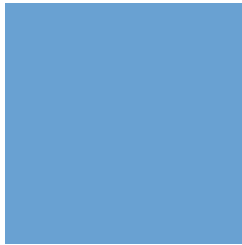
9.0922, 0.4804, 0.2420



0.5243, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 33.1461, 0.2339, 0.2567 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 33.1461, 0.2339, 0.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

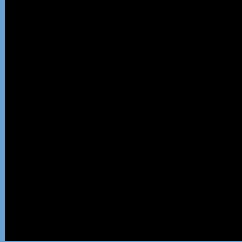
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1461, 0.2339, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 33.1461, 0.2339, 0.2567.

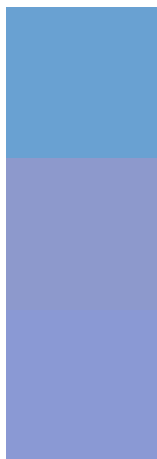


This preview shows how white text looks on a background with the Yxy color 33.1461, 0.2339, 0.2567.

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

33.1461, 0.2339, 0.2567

Protanopia

32.8048, 0.2604, 0.2567

Deuteranopia

32.9392, 0.2527, 0.2466



Tritanopia

33.0006, 0.2468, 0.3063

Trichromacy



Original Color

33.1461, 0.2339, 0.2567

Protanomaly

32.8224, 0.2499, 0.2568

Deuteranomaly

32.9157, 0.2453, 0.2504

Tritanomaly

32.9652, 0.2420, 0.2867

Monochromacy



Original Color

33.1461, 0.2339, 0.2567

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1581, 0.2785, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1461, 0.2339, 0.2567 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(105, 161, 210)` looks like.

```
.text, #text, p{  
    color:rgb(105, 161, 210)  
}
```

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(105, 161, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 161, 210) }
```

Border

The CSS property to change the border of an element to Yxy 33.1461, 0.2339, 0.2567 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(105, 161, 210) }
```

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

```
.border{ border-color:rgb(105, 161, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 161, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 161, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 161, 210);  
box-shadow:4px 4px 4px 4px rgb(105, 161,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1461, 0.2339, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 161, 210) }
```

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

```
.background{ background-color: rgb(105,  
161, 210) }
```

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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