

Converting Colors

$Y_{xy}(33.3989, 0.2248, 0.2602)$

Have a look what the booklet for
Yxy(33.3989, 0.2248, 0.2602)
contains.

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Color

Yxy(33.5418, 0.2253, 0.2612)

Conversions

Conversions Part 1

Format	Color
Hex	56A5D2
RGB	86, 165, 210
RGB Percent	34%, 65%, 82%
CMY	0.6625, 0.3530, 0.1764
CMYK	0.59, 0.21, 0.00, 0.18
HSL	202°, 58%, 58%
HSV	202°, 59%, 82%
XYZ	28.9317, 33.5418, 65.9407
YIQ	146.5090, -61.5290, -2.7530

Conversions

Conversions Part 2

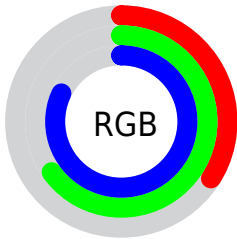
Format	Color
R_{YB}	86, 134, 210
Decimal	5678546
CIE _{Lab}	64.60, -11.06, -30.25
CIE _{LCh}	65, 32.208, 249.918
Yxy	33.5418, 0.2253, 0.2612
Android (android.graphics.Color)	4283868626 (0xFF56A5D2)
YUV	146.5090, 31.3011, -53.0664
Hunter-Lab	57.9153, -12.1816, -26.9652

Details

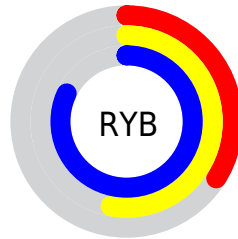
The Yxy color **33.5418, 0.2253, 0.2612** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **30.6355, 0.4559, 0.3837**, and the grayscale version is **28.8582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4261, 0.2471, 0.2878**, and **14.1897, 0.2002, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **30.0169, 0.2137, 0.2473**, and if you desaturate by 10%, it is **37.5262, 0.2385, 0.2747**.

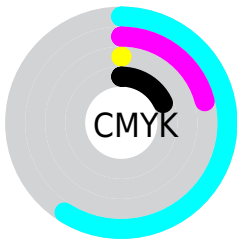
Distribution



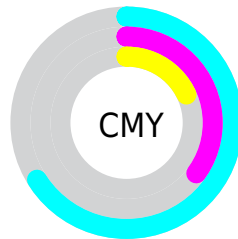
- Red (34%)
- Green (65%)
- Blue (82%)



- Red (34%)
- Yellow (53%)
- Blue (82%)



- Cyan (59%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5418, 0.2253, 0.2612 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 33.5418, 0.2253, 0.2612 by changing the saturation by 10% instead.

■ 33.5418, 0.2253,
0.2612

■ 33.5418, 0.2253,
0.2612

■ 318.0841, 0.2696,
0.2968

■ 22.5418, 0.2143,
0.2519

■ 65.2205, 0.2414,
0.2745

■ 14.2556, 0.2002,
0.2398

■ 86.6680, 0.2475,
0.2794

■ 8.2986, 0.1818,
0.2236

■ 112.3668, 0.2526,
0.2835

■ 4.2866, 0.1569,
0.2008

■ 142.7013, 0.2570,
0.2870

■ 1.8352, 0.1224,
0.1674

■ 178.0559, 0.2608,
0.2900

■ 0.5089, 0.0465,
0.1108

■ 218.8149, 0.2641,

■ 0.0000, 0.0000,

0.2926

0.0000

265.3629, 0.2670,
0.2948

■ 33.5418, 0.2253,
0.2612

■ 33.5418, 0.2253,
0.2612

■ 30.0169, 0.2137,
0.2473

■ 37.5262, 0.2385,
0.2747

■ 26.9186, 0.2040,
0.2332

■ 41.9926, 0.2528,
0.2875

■ 24.2139, 0.1963,
0.2193

■ 46.9658, 0.2678,
0.2995

■ 21.8491, 0.1906,
0.2057

■ 52.4676, 0.2833,
0.3106

■ 21.6307, 0.1901,
0.2043

■ 58.5183, 0.2989,
0.3207

■ 65.1369, 0.3142,
0.3298

■ 72.3414, 0.3291,
0.3380

■ 80.1491, 0.3435,
0.3452

■ 84.5669, 0.3429,
0.3527

Harmonies

Analogous

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



33.5418, 0.2232, 0.2931



33.5418, 0.2253, 0.2612



33.5418, 0.2483, 0.2491

Triad

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



33.5418, 0.2253, 0.2612



33.5418, 0.3862, 0.3126



33.5418, 0.3300, 0.4174

Complementary

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



33.5418, 0.2253, 0.2612



30.6355, 0.4559, 0.3837

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.



33.5418, 0.3764, 0.4156



33.5418, 0.2253, 0.2612



33.5418, 0.4113, 0.3522

Square

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



33.5418, 0.2253, 0.2612



33.5418, 0.3400, 0.2785



33.5418, 0.4070, 0.3898



33.5418, 0.2812, 0.3888

Rectangle

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



33.5418, 0.2253, 0.2612



33.5418, 0.2739, 0.2516



33.5418, 0.4070, 0.3898



33.5418, 0.3464, 0.4201

Sweetspot

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



33.5430, 0.2253, 0.2612



82.1289, 0.2846, 0.3115



49.6855, 0.2822, 0.4539



17.0184, 0.2800, 0.3083



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.



33.5430, 0.2253, 0.2612



45.1680, 0.2108, 0.2434



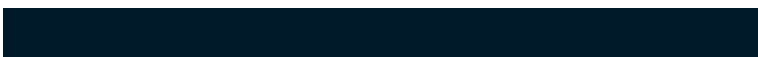
16.6674, 0.2044, 0.1662



12.6547, 0.2983, 0.3204



13.3874, 0.1907, 0.2063



0.8965, 0.1976, 0.2314

Inverse Universe

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



23.0863, 0.3749, 0.2358



29.8350, 0.3948, 0.2227



51.8294, 0.4081, 0.4500



11.9331, 0.3193, 0.3143



9.4227, 0.4382, 0.2187



0.5418, 0.4112, 0.2039

Previews

White Background



This preview shows how the Yxy color 33.5418, 0.2253, 0.2612 looks on a white background.

Color Contrast Check

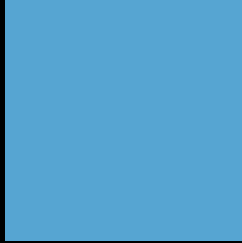
Large Text (above 18pt) WCAG AA × Fail

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 33.5418, 0.2253, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

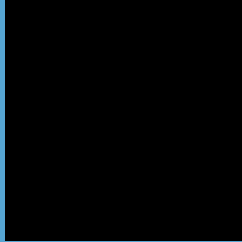
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5418, 0.2253, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 33.5418, 0.2253, 0.2612.

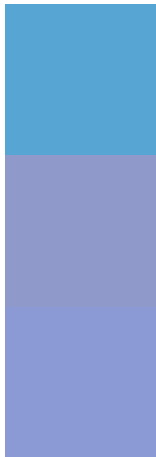


This preview shows how white text looks on a background with the Yxy color 33.5418, 0.2253, 0.2612.

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

33.5418, 0.2253, 0.2612

Protanopia

33.2151, 0.2635, 0.2610

Deuteranopia

33.4043, 0.2530, 0.2470



Tritanopia

33.6642, 0.2360, 0.3076

Trichromacy



Original Color

33.5418, 0.2253, 0.2612

Protanomaly

32.9991, 0.2467, 0.2603

Deuteranomaly

33.2003, 0.2412, 0.2514

Tritanomaly

33.5178, 0.2317, 0.2893

Monochromacy



Original Color

33.5418, 0.2253, 0.2612

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3735, 0.2724, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5418, 0.2253, 0.2612 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(86, 165, 210)` looks like.

```
.text, #text, p{  
    color:rgb(86, 165, 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(86, 165, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 165, 210) }
```

Border

The CSS property to change the border of an element to Yxy 33.5418, 0.2253, 0.2612 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(86, 165, 210) }
```

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

```
.border{ border-color:rgb(86, 165, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 165, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 165, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 165, 210);  
box-shadow:4px 4px 4px 4px rgb(86, 165,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5418, 0.2253, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 165, 210) }
```

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

```
.background{ background-color: rgb(86, 165,  
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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