

Converting Colors

$Yxy(33.9486, 0.2285, 0.2655)$

Have a look what the booklet for
Yxy(33.9486, 0.2285, 0.2655)
contains.

Yxy(34.0002, 0.2285, 0.2658)	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(34.0002, 0.2285, 0.2658)

Conversions

Conversions Part 1

Format	Color
Hex	5AA6D0
RGB	90, 166, 208
RGB Percent	35%, 65%, 82%
CMY	0.6474, 0.3489, 0.1844
CMYK	0.57, 0.20, 0.00, 0.18
HSL	201°, 56%, 58%
HSV	201°, 57%, 82%
XYZ	29.2289, 34.0002, 64.6874
YIQ	148.0640, -58.7780, -3.0500

Conversions

Conversions Part 2

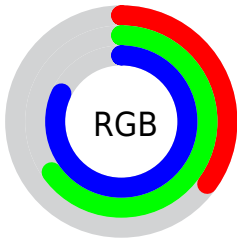
Format	Color
R _Y B	90, 136, 208
Decimal	5940944
CIE Lab	64.96, -11.49, -28.54
CIE LCh	65, 30.766, 248.077
Yxy	34.0002, 0.2285, 0.2658
Android (android.graphics.Color)	4284131024 (0xFF5AA6D0)
YUV	148.0640, 29.5484, -50.9221
Hunter-Lab	58.3097, -12.5652, -24.9581

Details

The Yxy color **34.0002, 0.2285, 0.2658** 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 **30.6116, 0.4491, 0.3810**, and the grayscale version is **29.5262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2288, 0.2488, 0.2891**, and **14.4631, 0.2044, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **30.4906, 0.2166, 0.2523**, and if you desaturate by 10%, it is **37.9584, 0.2418, 0.2788**.

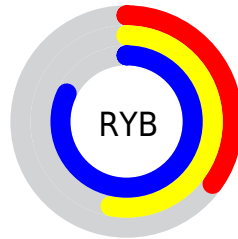
Distribution



Red (35%)

Green (65%)

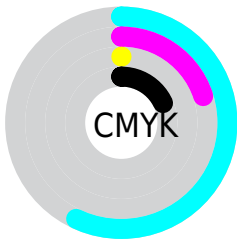
Blue (82%)



Red (35%)

Yellow (53%)

Blue (82%)

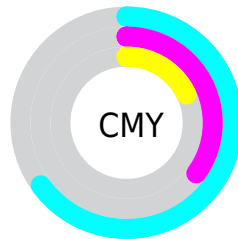


Cyan (57%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (65%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0002, 0.2285, 0.2658 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 34.0002, 0.2285, 0.2658 by changing the saturation by 10% instead.

■ 34.0002, 0.2285,
0.2658

■ 34.0002, 0.2285,
0.2658

■ 320.1329, 0.2712,
0.2991

■ 22.8938, 0.2178,
0.2571

■ 65.9340, 0.2441,
0.2782

■ 14.5151, 0.2042,
0.2457

■ 87.5301, 0.2499,
0.2828

■ 8.4798, 0.1864,
0.2304

■ 113.3916, 0.2548,
0.2866

■ 4.4034, 0.1621,
0.2087

■ 143.9028, 0.2590,
0.2899

■ 1.9017, 0.1282,
0.1767

■ 179.4481, 0.2627,
0.2927

■ 0.5494, 0.0540,
0.1228

■ 220.4120, 0.2659,

■ 0.0000, 0.0000,

0.2951

0.0000

267.1788, 0.2687,
0.2972

■ 34.0002, 0.2285,
0.2658

■ 34.0002, 0.2285,
0.2658

■ 30.4906, 0.2166,
0.2523

■ 37.9584, 0.2418,
0.2788

■ 27.3982, 0.2066,
0.2386

■ 42.3862, 0.2563,
0.2912

■ 24.6924, 0.1986,
0.2249

■ 47.3072, 0.2714,
0.3027

■ 22.3324, 0.1926,
0.2115

■ 52.7422, 0.2869,
0.3133

■ 21.6223, 0.1909,
0.2072

■ 58.7105, 0.3023,
0.3230

■ 65.2304, 0.3176,
0.3317

■ 72.3190, 0.3324,
0.3395

■ 79.7472, 0.3457,
0.3464

■ 83.8345, 0.3444,
0.3537

Harmonies

Analogous

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



34.0002, 0.2278, 0.2975



34.0002, 0.2285, 0.2658



34.0002, 0.2494, 0.2529

Triad

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



34.0002, 0.2285, 0.2658



34.0002, 0.3803, 0.3113



34.0002, 0.3323, 0.4135

Complementary

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



34.0002, 0.2285, 0.2658



30.6116, 0.4491, 0.3810

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.



34.0002, 0.3759, 0.4105



34.0002, 0.2285, 0.2658



34.0002, 0.4057, 0.3491

Square

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



34.0002, 0.2285, 0.2658



34.0002, 0.3358, 0.2790



34.0002, 0.4035, 0.3853



34.0002, 0.2855, 0.3880

Rectangle

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



34.0002, 0.2285, 0.2658



34.0002, 0.2733, 0.2545



34.0002, 0.4035, 0.3853



34.0002, 0.3479, 0.4156

Sweetspot

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



34.0014, 0.2285, 0.2658



83.2461, 0.2862, 0.3129



48.9189, 0.2828, 0.4481



17.4302, 0.2830, 0.3108



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.



34.0014, 0.2285, 0.2658



47.3011, 0.2144, 0.2496



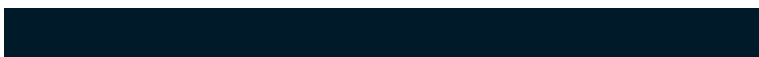
17.3661, 0.2087, 0.1733



12.6706, 0.2983, 0.3205



13.6662, 0.1914, 0.2091



0.9108, 0.1982, 0.2336

Inverse Universe

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



23.4576, 0.3703, 0.2377



31.1014, 0.3882, 0.2240



51.0901, 0.4046, 0.4463



11.9347, 0.3191, 0.3141



9.4509, 0.4351, 0.2170



0.5432, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 34.0002, 0.2285, 0.2658 looks on a white background.

Color Contrast Check

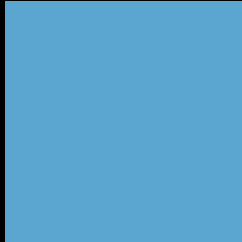
Large Text (above 18pt) WCAG AA × Fail

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 34.0002, 0.2285, 0.2658 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 34.0002, 0.2285, 0.2658

Background



This preview shows how black text looks on a background with the Yxy color 34.0002, 0.2285, 0.2658.

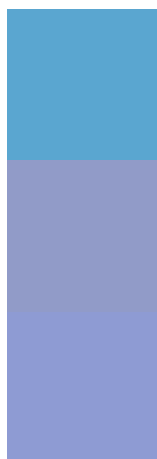


This preview shows how white text looks on a background with the Yxy color 34.0002, 0.2285, 0.2658.

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

34.0002, 0.2285, 0.2658

Protanopia

33.6326, 0.2667, 0.2652

Deuteranopia

33.8966, 0.2568, 0.2513



Tritanopia

33.9156, 0.2378, 0.3062

Trichromacy



Original Color

34.0002, 0.2285, 0.2658

Protanomaly

33.4680, 0.2503, 0.2648

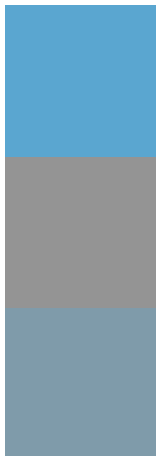
Deuteranomaly

33.6604, 0.2446, 0.2557

Tritanomaly

34.1110, 0.2344, 0.2911

Monochromacy



Original Color

34.0002, 0.2285, 0.2658

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8570, 0.2742, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0002, 0.2285, 0.2658 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(90, 166, 208)` looks like.

```
.text, #text, p{  
    color:rgb(90, 166, 208)  
}
```

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(90, 166, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 166, 208) }
```

Border

The CSS property to change the border of an element to Yxy 34.0002, 0.2285, 0.2658 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(90, 166, 208) }
```

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

```
.border{ border-color:rgb(90, 166, 208) }
```

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

Here you see how a box with a 4 pixel rgb(90, 166, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 166, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 166, 208);  
box-shadow:4px 4px 4px 4px rgb(90, 166,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0002, 0.2285, 0.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 166, 208) }
```

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

```
.background{ background-color: rgb(90, 166,  
208) }
```

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