

Converting Colors

$Y_{xy}(33.1032, 0.2282, 0.2616)$

Have a look what the booklet for
Yxy(33.1032, 0.2282, 0.2616)
contains.

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Color

Yxy(32.9726, 0.2280, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	5BA3D0
RGB	91, 163, 208
RGB Percent	36%, 64%, 82%
CMY	0.6433, 0.3607, 0.1843
CMYK	0.56, 0.22, 0.00, 0.18
HSL	203°, 55%, 59%
HSV	203°, 56%, 82%
XYZ	28.7926, 32.9726, 64.5182
YIQ	146.6020, -57.3570, -1.2690

Conversions

Conversions Part 2

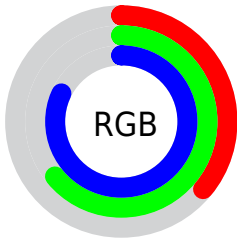
Format	Color
R _Y B	91, 136, 208
Decimal	6005712
CIE Lab	64.14, -9.62, -29.81
CIE LCh	64, 31.329, 252.113
Yxy	32.9726, 0.2280, 0.2611
Android (android.graphics.Color)	4284195792 (0xFF5BA3D0)
YUV	146.6020, 30.2692, -48.7630
Hunter-Lab	57.4218, -10.9840, -26.4221

Details

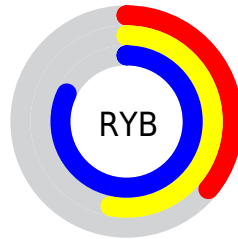
The Yxy color **32.9726, 0.2280, 0.2611** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **31.7558, 0.4446, 0.3848**, and the grayscale version is **28.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7524, 0.2487, 0.2856**, and **13.8282, 0.2033, 0.2394** is the 20% darker color. If you saturate the color by 10%, you get **29.3097, 0.2156, 0.2464**, and if you desaturate by 10%, it is **37.1102, 0.2418, 0.2752**.

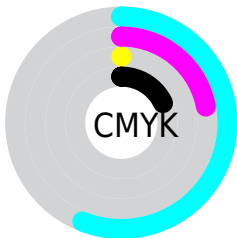
Distribution



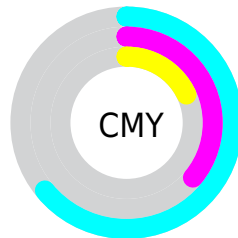
- Red (36%)
- Green (64%)
- Blue (82%)



- Red (36%)
- Yellow (53%)
- Blue (82%)



- Cyan (56%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (64%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9726, 0.2280, 0.2611 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 32.9726, 0.2280, 0.2611 by changing the saturation by 10% instead.

■ 32.9726, 0.2280,
0.2611

■ 32.9726, 0.2280,
0.2611

■ 315.5262, 0.2711,
0.2968

■ 22.1055, 0.2172,
0.2518

■ 64.3327, 0.2438,
0.2744

■ 13.9344, 0.2034,
0.2397

■ 85.5945, 0.2497,
0.2793

■ 8.0751, 0.1852,
0.2233

■ 111.0900, 0.2546,
0.2834

■ 4.1430, 0.1604,
0.2004

■ 141.2035, 0.2589,
0.2869

■ 1.7539, 0.1258,
0.1667

■ 176.3195, 0.2626,
0.2899

■ 0.4582, 0.0465,
0.1061

■ 216.8224, 0.2658,

■ 0.0000, 0.0000,

0.2925

0.0000

263.0965, 0.2686,
0.2948

■ 32.9726, 0.2280,
0.2611

■ 32.9726, 0.2280,
0.2611

■ 29.3097, 0.2156,
0.2464

■ 37.1102, 0.2418,
0.2752

■ 26.0897, 0.2050,
0.2315

■ 41.7443, 0.2566,
0.2886

■ 23.2816, 0.1965,
0.2167

■ 46.8989, 0.2720,
0.3011

■ 20.8451, 0.1901,
0.2022

■ 52.5954, 0.2876,
0.3126

■ 20.0053, 0.1880,
0.1968

■ 58.8538, 0.3031,
0.3230

■ 65.6928, 0.3183,
0.3324

■ 73.1302, 0.3331,
0.3407

■ 80.7340, 0.3454,
0.3482

■ 85.2085, 0.3440,
0.3561

Harmonies

Analogous

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



32.9726, 0.2245, 0.2910



32.9726, 0.2280, 0.2611



32.9726, 0.2520, 0.2506

Triad

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



32.9726, 0.2280, 0.2611



32.9726, 0.3872, 0.3157



32.9726, 0.3262, 0.4142

Complementary

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



32.9726, 0.2280, 0.2611



31.7558, 0.4446, 0.3848

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.



32.9726, 0.3722, 0.4148



32.9726, 0.2280, 0.2611



32.9726, 0.4099, 0.3547

Square

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



32.9726, 0.2280, 0.2611



32.9726, 0.3431, 0.2816



32.9726, 0.4036, 0.3910



32.9726, 0.2786, 0.3843

Rectangle

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



32.9726, 0.2280, 0.2611



32.9726, 0.2779, 0.2539



32.9726, 0.4036, 0.3910



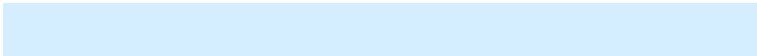
32.9726, 0.3424, 0.4178

Sweetspot

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



32.9738, 0.2280, 0.2611



82.5111, 0.2861, 0.3116



49.1043, 0.2808, 0.4406



17.2562, 0.2829, 0.3093



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.



32.9738, 0.2280, 0.2611



45.1128, 0.2128, 0.2427



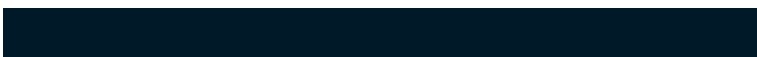
16.7998, 0.2085, 0.1691



12.6120, 0.2983, 0.3199



12.6610, 0.1886, 0.1988



0.8590, 0.1959, 0.2253

Inverse Universe

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



23.5287, 0.3742, 0.2421



30.8805, 0.3947, 0.2285



52.8996, 0.4013, 0.4492



11.9288, 0.3196, 0.3148



9.3494, 0.4466, 0.2234



0.5380, 0.4175, 0.2074

Previews

White Background



This preview shows how the Yxy color 32.9726, 0.2280, 0.2611 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 32.9726, 0.2280, 0.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

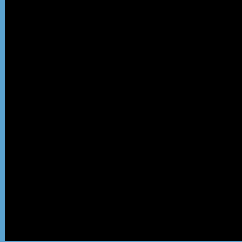
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

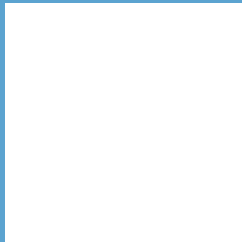
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9726, 0.2280, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 32.9726, 0.2280, 0.2611.

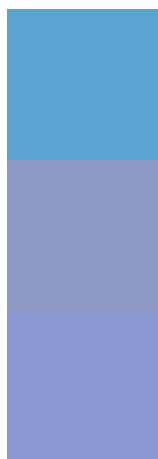


This preview shows how white text looks on a background with the Yxy color 32.9726, 0.2280, 0.2611.

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

32.9726, 0.2280, 0.2611

Protanopia

32.7034, 0.2640, 0.2619

Deuteranopia

32.8389, 0.2540, 0.2490



Tritanopia

33.0908, 0.2392, 0.3076

Trichromacy



Original Color

32.9726, 0.2280, 0.2611

Protanomaly

32.6367, 0.2484, 0.2615

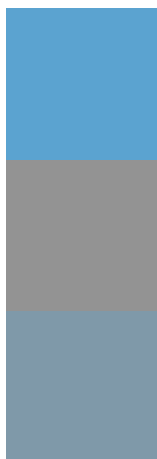
Deuteranomaly

32.7823, 0.2434, 0.2537

Tritanomaly

32.9653, 0.2350, 0.2892

Monochromacy



Original Color

32.9726, 0.2280, 0.2611

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1591, 0.2747, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9726, 0.2280, 0.2611 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(91, 163, 208)` looks like.

```
.text, #text, p{  
    color:rgb(91, 163, 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(91, 163, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 163, 208) }
```

Border

The CSS property to change the border of an element to Yxy 32.9726, 0.2280, 0.2611 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(91, 163, 208) }
```

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

```
.border{ border-color:rgb(91, 163, 208) }
```

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

Here you see how a box with a 4 pixel rgb(91, 163, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 163, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 163, 208);  
box-shadow:4px 4px 4px 4px rgb(91, 163,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9726, 0.2280, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 163, 208) }
```

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

```
.background{ background-color: rgb(91, 163,  
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](#).

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