

Converting Colors

$Y_{xy}(36.0454, 0.2295, 0.2645)$

Have a look what the booklet for
Yxy(36.0454, 0.2295, 0.2645)
contains.

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Color

Yxy(36.0374, 0.2293, 0.2646)

Conversions

Conversions Part 1

Format	Color
Hex	5FAAD6
RGB	95, 170, 214
RGB Percent	37%, 67%, 84%
CMY	0.6275, 0.3333, 0.1608
CMYK	0.56, 0.21, 0.00, 0.16
HSL	202°, 59%, 61%
HSV	202°, 56%, 84%
XYZ	31.2297, 36.0374, 68.9287
YIQ	152.5910, -58.8240, -2.2160

Conversions

Conversions Part 2

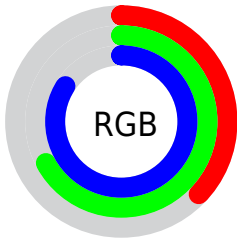
Format	Color
RYB	95, 141, 214
Decimal	6269654
CIELab	66.55, -10.79, -29.40
CIElCh	67, 31.321, 249.848
Yxy	36.0374, 0.2293, 0.2646
Android (android.graphics.Color)	4284459734 (0xFF5FAAD6)
YUV	152.5910, 30.2746, -50.5073
Hunter-Lab	60.0312, -12.1944, -26.0559

Details

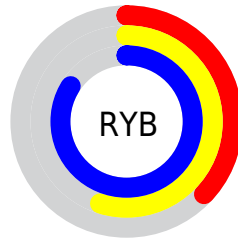
The Yxy color **36.0374, 0.2293, 0.2646** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.5802, 0.4442, 0.3822**, and the grayscale version is **31.5524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8427, 0.2520, 0.2942**, and **15.6931, 0.2060, 0.2451** is the 20% darker color. If you saturate the color by 10%, you get **32.1688, 0.2170, 0.2505**, and if you desaturate by 10%, it is **40.4018, 0.2430, 0.2781**.

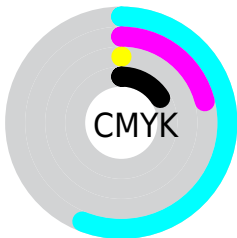
Distribution



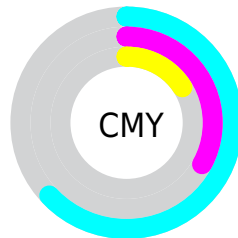
- Red (37%)
- Green (67%)
- Blue (84%)



- Red (37%)
- Yellow (55%)
- Blue (84%)



- Cyan (56%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)



- Cyan (63%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0374, 0.2293, 0.2646 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 36.0374, 0.2293, 0.2646 by changing the saturation by 10% instead.

■ 36.0374, 0.2293,
0.2646

■ 36.0374, 0.2293,
0.2646

■ 329.1240, 0.2712,
0.2981

■ 24.4631, 0.2190,
0.2560

■ 69.0898, 0.2445,
0.2770

■ 15.6775, 0.2058,
0.2448

■ 91.3366, 0.2502,
0.2816

■ 9.2962, 0.1887,
0.2298

■ 117.9098, 0.2550,
0.2855

■ 4.9349, 0.1656,
0.2090

■ 149.1937, 0.2592,
0.2888

■ 2.2091, 0.1335,
0.1785

■ 185.5726, 0.2628,
0.2916

■ 0.7250, 0.0776,
0.1322

■ 227.4311, 0.2659,

■ 0.0000, 0.0000,

0.2940

0.0000

275.1534, 0.2687,
0.2962

■ 36.0374, 0.2293,
0.2646

■ 36.0374, 0.2293,
0.2646

■ 32.1688, 0.2170,
0.2505

■ 40.4018, 0.2430,
0.2781

■ 28.7624, 0.2066,
0.2362

■ 45.2846, 0.2577,
0.2910

■ 25.7857, 0.1981,
0.2219

■ 50.7112, 0.2730,
0.3029

■ 23.1974, 0.1918,
0.2079

■ 56.7041, 0.2886,
0.3139

■ 22.1546, 0.1894,
0.2019

■ 63.2842, 0.3041,
0.3238

70.4712, 0.3193,
0.3328

78.2837, 0.3341,
0.3408

84.5568, 0.3403,
0.3483

89.1440, 0.3390,
0.3560

Harmonies

Analogous

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



36.0374, 0.2274, 0.2952



36.0374, 0.2293, 0.2646



36.0374, 0.2513, 0.2528

Triad

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



36.0374, 0.2293, 0.2646



36.0374, 0.3824, 0.3135



36.0374, 0.3295, 0.4126

Complementary

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



36.0374, 0.2293, 0.2646



33.5802, 0.4442, 0.3822

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.



36.0374, 0.3736, 0.4113



36.0374, 0.2293, 0.2646



36.0374, 0.4063, 0.3513

Square

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



36.0374, 0.2293, 0.2646



36.0374, 0.3386, 0.2808



36.0374, 0.4024, 0.3871



36.0374, 0.2830, 0.3856

Rectangle

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



36.0374, 0.2293, 0.2646



36.0374, 0.2758, 0.2551



36.0374, 0.4024, 0.3871



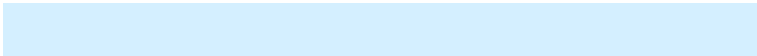
36.0374, 0.3451, 0.4153

Sweetspot

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



36.0387, 0.2293, 0.2646



82.8841, 0.2862, 0.3122



52.3788, 0.2821, 0.4424



17.3445, 0.2830, 0.3101



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.



36.0387, 0.2293, 0.2646



46.7438, 0.2147, 0.2476



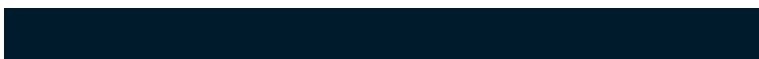
18.6229, 0.2102, 0.1738



13.3002, 0.2982, 0.3202



13.5958, 0.1900, 0.2039



0.9759, 0.1967, 0.2280

Inverse Universe

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



25.3796, 0.3710, 0.2410



31.4229, 0.3897, 0.2271



55.5708, 0.4018, 0.4463



12.5512, 0.3194, 0.3144



9.7174, 0.4409, 0.2202



0.6018, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 36.0374, 0.2293, 0.2646 looks on a white background.

Color Contrast Check

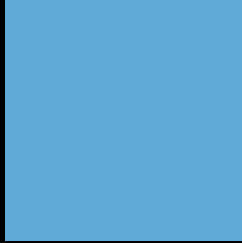
Large Text (above 18pt) WCAG AA × Fail

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 36.0374, 0.2293, 0.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

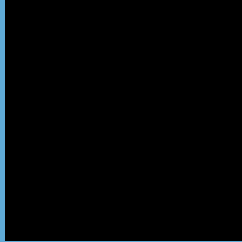
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

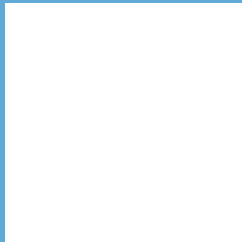
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0374, 0.2293, 0.2646

Background



This preview shows how black text looks on a background with the Yxy color 36.0374, 0.2293, 0.2646.

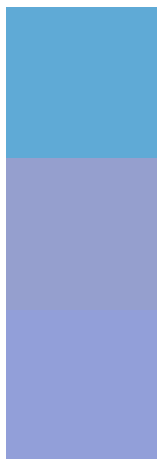


This preview shows how white text looks on a background with the Yxy color 36.0374, 0.2293, 0.2646.

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

36.0374, 0.2293, 0.2646

Protanopia

35.6421, 0.2663, 0.2641

Deuteranopia

35.9170, 0.2566, 0.2506



Tritanopia

36.2654, 0.2391, 0.3069

Trichromacy



Original Color

36.0374, 0.2293, 0.2646

Protanomaly

35.4650, 0.2502, 0.2636

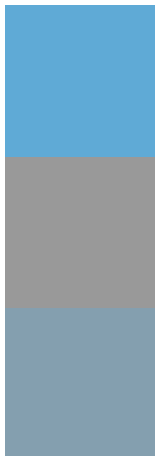
Deuteranomaly

35.6643, 0.2447, 0.2548

Tritanomaly

36.0882, 0.2356, 0.2906

Monochromacy



Original Color

36.0374, 0.2293, 0.2646

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.7970, 0.2751, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0374, 0.2293, 0.2646 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(95, 170, 214)` looks like.

```
.text, #text, p{  
    color:rgb(95, 170, 214)  
}
```

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(95, 170, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 170, 214) }
```

Border

The CSS property to change the border of an element to Yxy 36.0374, 0.2293, 0.2646 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(95, 170, 214) }
```

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

```
.border{ border-color:rgb(95, 170, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 170, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 170, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 170, 214);  
box-shadow:4px 4px 4px 4px rgb(95, 170,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0374, 0.2293, 0.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 170, 214) }
```

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

```
.background{ background-color: rgb(95, 170,  
214) }
```

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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