

Converting Colors

$Yxy(35.8132, 0.2021, 0.2285)$

Have a look what the booklet for
Yxy(35.8132, 0.2021, 0.2285)
contains.

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Color

Yxy(35.8132, 0.2021, 0.2285)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 31AAF2 |
| RGB | 49, 170, 242 |
| RGB Percent | 19%, 67%, 95% |
| CMY | 0.8069, 0.3334, 0.0510 |
| CMYK | 0.80, 0.30, 0.00, 0.05 |
| HSL | 202°, 88%, 57% |
| HSV | 202°, 80%, 95% |
| XYZ | 31.6755, 35.8132, 89.2430 |
| YIQ | 142.0290, -95.2280, -3.2600 |

Conversions

Conversions Part 2

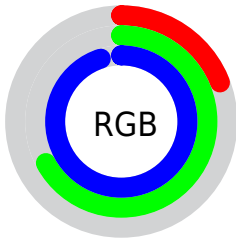
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 49, 123, 242 |
| Decimal | 3255026 |
| CIE Lab | 66.38, -8.42, -45.14 |
| CIE LCh | 66, 45.918, 259.437 |
| Yxy | 35.8132, 0.2021, 0.2285 |
| Android (android.graphics.Color) | 4281445106 (0xFF31AAF2) |
| YUV | 142.0290, 49.2857, -81.5864 |
| Hunter-Lab | 59.8441, -10.2472, -46.5258 |

Details

The Yxy color **35.8132, 0.2021, 0.2285** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **32.8338, 0.5254, 0.3917**, and the grayscale version is **26.9181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3555, 0.2389, 0.2930**, and **16.4596, 0.1905, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **32.0893, 0.1945, 0.2141**, and if you desaturate by 10%, it is **40.0955, 0.2118, 0.2431**.

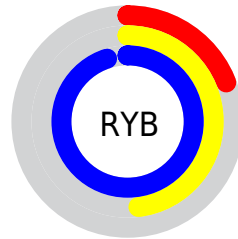
Distribution



Red (19%)

Green (67%)

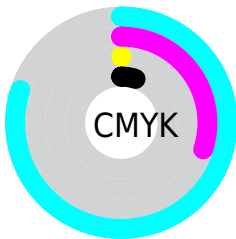
Blue (95%)



Red (19%)

Yellow (48%)

Blue (95%)

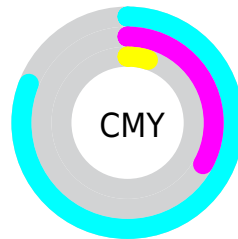


Cyan (80%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (81%)


Magenta (33%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8132, 0.2021, 0.2285 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 35.8132, 0.2021, 0.2285 by changing the saturation by 10% instead.


 35.8132, 0.2021,
0.2285


 35.8132, 0.2021,
0.2285


328.1433, 0.2564,
0.2791


 24.2900, 0.1893,
0.2162


 68.7436, 0.2213,
0.2467

 15.5489, 0.1735,
0.2008

 90.9196, 0.2287,
0.2536


 9.2055, 0.1536,
0.1811


 117.4154, 0.2350,
0.2595

 4.8755, 0.1282,
0.1554

 148.6152, 0.2405,
0.2645

 2.1744, 0.0958,
0.1215

 184.9035, 0.2452,
0.2689

 0.7060, 0.0508,
0.0771

226.6647, 0.2494,

 0.0000, 0.0000,

0.2727

0.0000

274.2832, 0.2531,
0.2761

■ 35.8132, 0.2021,
0.2285

■ 35.8132, 0.2021,
0.2285

■ 32.0893, 0.1945,
0.2141

■ 40.0955, 0.2118,
0.2431

■ 28.8427, 0.1889,
0.2000

■ 44.9824, 0.2235,
0.2576

■ 28.7361, 0.1888,
0.1995

■ 50.5175, 0.2367,
0.2716

■ 56.7384, 0.2512,
0.2850

■ 63.6791, 0.2664,
0.2976

■ 71.3710, 0.2821,
0.3092

■ 79.8431, 0.2978,
0.3198

■ 89.1228, 0.3132,
0.3293

■ 96.8822, 0.3205,
0.3380

Harmonies

Analogous

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



35.8132, 0.1904, 0.2608



35.8132, 0.2021, 0.2285



35.8132, 0.2398, 0.2223

Triad

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



35.8132, 0.2021, 0.2285



35.8132, 0.4308, 0.3209



35.8132, 0.3121, 0.4478

Complementary

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



35.8132, 0.2021, 0.2285



32.8338, 0.5254, 0.3917

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.



35.8132, 0.3788, 0.4548



35.8132, 0.2021, 0.2285



35.8132, 0.4521, 0.3733

Square

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



35.8132, 0.2021, 0.2285



35.8132, 0.3724, 0.2736



35.8132, 0.4311, 0.4228



35.8132, 0.2490, 0.3939

Rectangle

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



35.8132, 0.2021, 0.2285



35.8132, 0.2782, 0.2310



35.8132, 0.4311, 0.4228



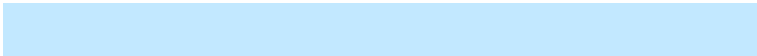
35.8132, 0.3348, 0.4556

Sweetspot

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



35.8144, 0.2021, 0.2285



76.4540, 0.2751, 0.3042



65.5142, 0.2793, 0.5024



15.7097, 0.2695, 0.3000



0.0000, 0.0000, 0.0000



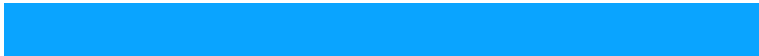
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8144, 0.2021, 0.2285



33.6770, 0.1907, 0.2047



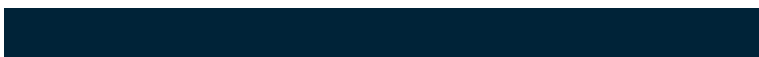
12.0929, 0.1691, 0.1032



16.8788, 0.2980, 0.3200



15.7088, 0.1894, 0.2018



1.4970, 0.1946, 0.2204

Inverse Universe

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



23.9946, 0.4117, 0.2196



24.1456, 0.4397, 0.2211



68.3626, 0.4321, 0.4779



15.9254, 0.3195, 0.3143



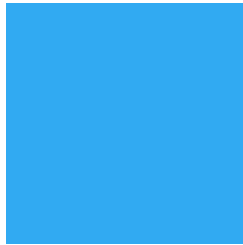
11.3792, 0.4432, 0.2215



0.9658, 0.4228, 0.2103

Previews

White Background



This preview shows how the Yxy color 35.8132, 0.2021, 0.2285 looks on a white background.

Color Contrast Check

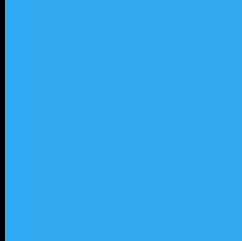
Large Text (above 18pt) WCAG AA × Fail

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 35.8132, 0.2021, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

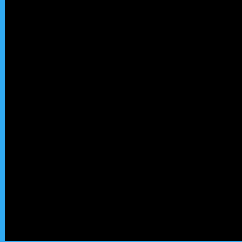
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

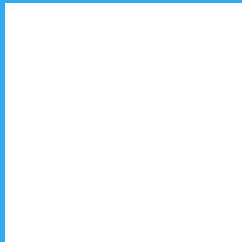
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8132, 0.2021, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 35.8132, 0.2021, 0.2285.



This preview shows how white text looks on a background with the Yxy color 35.8132, 0.2021, 0.2285.

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

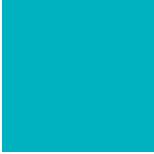
35.8132, 0.2021, 0.2285

Protanopia

35.5142, 0.2404, 0.2310

Deuteranopia

35.5952, 0.2245, 0.2189



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.8132, 0.2021, 0.2285

Protanomaly

34.8398, 0.2208, 0.2278

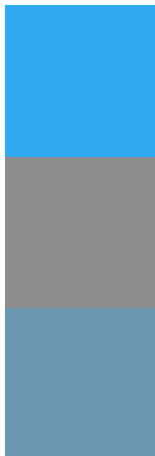
Deuteranomaly

35.4017, 0.2139, 0.2222

Tritanomaly

35.4417, 0.2109, 0.2747

Monochromacy



Original Color

35.8132, 0.2021, 0.2285

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8590, 0.2528, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8132, 0.2021, 0.2285 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(49, 170, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 170, 242)  
}
```

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(49, 170, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 170, 242) }
```

Border

The CSS property to change the border of an element to Yxy 35.8132, 0.2021, 0.2285 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(49, 170, 242) }
```

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

```
.border{ border-color:rgb(49, 170, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 170, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 170, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 170, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 170,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8132, 0.2021, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 170, 242) }
```

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

```
.background{ background-color: rgb(49, 170,  
242) }
```

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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