

Converting Colors

$Yxy(35.7864, 0.2133, 0.2602)$

Have a look what the booklet for
Yxy(35.7864, 0.2133, 0.2602)
contains.

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Color

Yxy(35.8424, 0.2134, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	38ADDB
RGB	56, 173, 219
RGB Percent	22%, 68%, 86%
CMY	0.7802, 0.3216, 0.1412
CMYK	0.74, 0.21, 0.00, 0.14
HSL	197°, 69%, 54%
HSV	197°, 74%, 86%
XYZ	29.3619, 35.8424, 72.3865
YIQ	143.2610, -84.4980, -10.4980

Conversions

Conversions Part 2

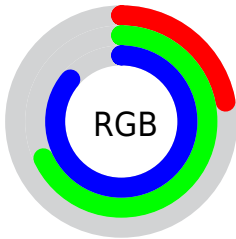
Format	Color
RYB	56, 124, 219
Decimal	3714523
CIELab	66.40, -17.17, -32.49
CIELCh	66, 36.743, 242.144
Yxy	35.8424, 0.2134, 0.2605
Android (android.graphics.Color)	4281904603 (0xFF38ADDB)
YUV	143.2610, 37.3393, -76.5279
Hunter-Lab	59.8685, -17.2265, -29.7791

Details

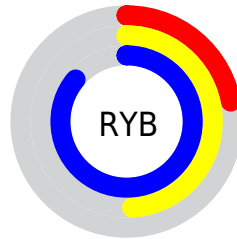
The Yxy color **35.8424, 0.2134, 0.2605** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **24.8577, 0.5235, 0.3752**, and the grayscale version is **27.4570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0668, 0.2400, 0.2967**, and **16.3551, 0.2007, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **33.0278, 0.2060, 0.2498**, and if you desaturate by 10%, it is **39.0451, 0.2228, 0.2712**.

Distribution



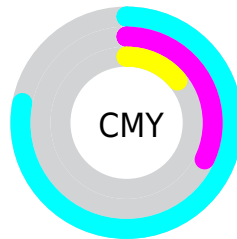
- Red (22%)
- Green (68%)
- Blue (86%)



- Red (22%)
- Yellow (49%)
- Blue (86%)



- Cyan (74%)
- Magenta (21%)
- Yellow (0%)
- Black (14%)





- Cyan (78%)
- Magenta (32%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8424, 0.2134, 0.2605 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 35.8424, 0.2134, 0.2605 by changing the saturation by 10% instead.


 35.8424, 0.2134,
0.2605


 35.8424, 0.2134,
0.2605


328.2712, 0.2628,
0.2965

 24.3125, 0.2015,
0.2512


 68.7887, 0.2311,
0.2739


 15.5656, 0.1864,
0.2391


 90.9740, 0.2378,
0.2788


 9.2173, 0.1671,
0.2229


 117.4798, 0.2436,
0.2830

 4.8832, 0.1417,
0.2005

 148.6906, 0.2485,
0.2865

 2.1789, 0.1078,
0.1681

 184.9907, 0.2528,
0.2895

 0.7084, 0.0434,
0.1210

226.7646, 0.2565,

 0.0000, 0.0000,

0.2922

0.0000

274.3966, 0.2598,
0.2945

■ 35.8424, 0.2134,
0.2605

■ 35.8424, 0.2134,
0.2605

■ 33.0278, 0.2060,
0.2498

■ 39.0451, 0.2228,
0.2712

■ 30.5570, 0.2006,
0.2392

■ 42.6654, 0.2340,
0.2816

■ 29.2887, 0.1982,
0.2333

■ 46.7337, 0.2467,
0.2917

■ 51.2759, 0.2606,
0.3013

■ 56.3155, 0.2753,
0.3102

■ 61.8743, 0.2905,
0.3184

■ 67.9726, 0.3059,
0.3259

■ 74.6295, 0.3213,
0.3327

■ 81.8630, 0.3363,
0.3387

Harmonies

Analogous

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



35.8424, 0.2171, 0.3008



35.8424, 0.2134, 0.2605



35.8424, 0.2327, 0.2420

Triad

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



35.8424, 0.2134, 0.2605



35.8424, 0.3829, 0.2999



35.8424, 0.3456, 0.4309

Complementary

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



35.8424, 0.2134, 0.2605



24.8577, 0.5235, 0.3752

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.



35.8424, 0.3942, 0.4196



35.8424, 0.2134, 0.2605



35.8424, 0.4186, 0.3423

Square

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



35.8424, 0.2134, 0.2605



35.8424, 0.3279, 0.2653



35.8424, 0.4220, 0.3854



35.8424, 0.2906, 0.4077

Rectangle

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



35.8424, 0.2134, 0.2605



35.8424, 0.2575, 0.2416



35.8424, 0.4220, 0.3854



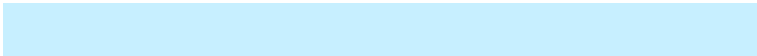
35.8424, 0.3632, 0.4306

Sweetspot

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



35.8437, 0.2134, 0.2605



81.1774, 0.2787, 0.3121



52.4147, 0.2862, 0.5131



16.9340, 0.2746, 0.3097



0.0000, 0.0000, 0.0000



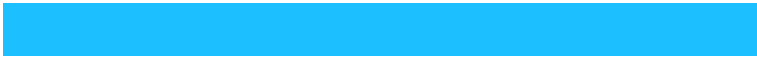
21.4041, 0.3127, 0.3290

Same Dimension

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



35.8437, 0.2134, 0.2605



44.7011, 0.2028, 0.2441



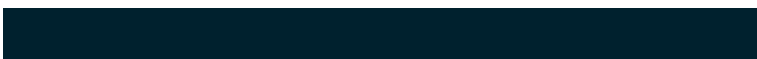
13.9744, 0.1822, 0.1382



14.1759, 0.2982, 0.3222



17.5615, 0.1986, 0.2349



1.2810, 0.2034, 0.2521

Inverse Universe

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



20.9100, 0.3793, 0.2078



25.8516, 0.3974, 0.2012



48.3840, 0.4404, 0.4587



13.2089, 0.3181, 0.3124



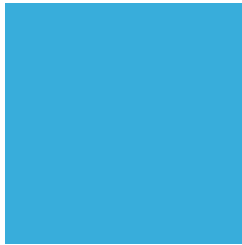
10.3966, 0.4075, 0.2019



0.6880, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 35.8424, 0.2134, 0.2605 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 35.8424, 0.2134, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

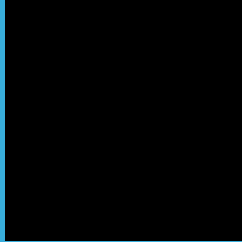
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8424, 0.2134, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 35.8424, 0.2134, 0.2605.

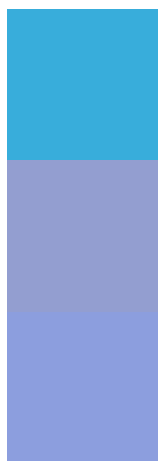


This preview shows how white text looks on a background with the Yxy color 35.8424, 0.2134, 0.2605.

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

35.8424, 0.2134, 0.2605

Protanopia

35.2108, 0.2632, 0.2600

Deuteranopia

35.3031, 0.2489, 0.2426



Tritanopia

35.9379, 0.2215, 0.3062

Trichromacy



Original Color

35.8424, 0.2134, 0.2605

Protanomaly

34.5253, 0.2387, 0.2582

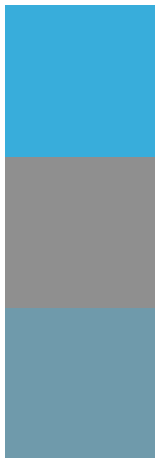
Deuteranomaly

34.6661, 0.2310, 0.2467

Tritanomaly

35.7661, 0.2179, 0.2880

Monochromacy



Original Color

35.8424, 0.2134, 0.2605

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.4310, 0.2605, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8424, 0.2134, 0.2605 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(56, 173, 219)` looks like.

```
.text, #text, p{  
    color:rgb(56, 173, 219)  
}
```

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(56, 173, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 173, 219) }
```

Border

The CSS property to change the border of an element to Yxy 35.8424, 0.2134, 0.2605 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(56, 173, 219) }
```

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

```
.border{ border-color:rgb(56, 173, 219) }
```

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

Here you see how a box with a 4 pixel rgb(56, 173, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 173, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 173, 219);  
box-shadow:4px 4px 4px 4px rgb(56, 173,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8424, 0.2134, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 173, 219) }
```

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

```
.background{ background-color: rgb(56, 173,  
219) }
```

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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