

Converting Colors

$Y_{xy}(35.7455, 0.2155, 0.2757)$

Have a look what the booklet for
Yxy(35.7455, 0.2155, 0.2757)
contains.

Yxy(35.8442, 0.2158, 0.2766)	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(35.8442, 0.2158, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	2EAFD1
RGB	46, 175, 209
RGB Percent	18%, 69%, 82%
CMY	0.8198, 0.3137, 0.1803
CMYK	0.78, 0.16, 0.00, 0.18
HSL	193°, 64%, 50%
HSV	193°, 78%, 82%
XYZ	27.9652, 35.8442, 65.7792
YIQ	140.3050, -87.7980, -16.7740

Conversions

Conversions Part 2

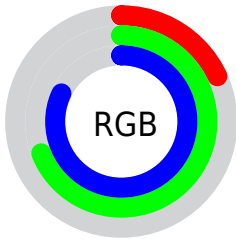
Format	Color
R_{YB}	46, 118, 209
Decimal	3059665
CIE _{Lab}	66.40, -22.62, -27.00
CIE _{LCh}	66, 35.225, 230.046
Yxy	35.8442, 0.2158, 0.2766
Android (android.graphics.Color)	4281249745 (0xFF2EAFD1)
YUV	140.3050, 33.8666, -82.7055
Hunter-Lab	59.8700, -21.3954, -23.2329

Details

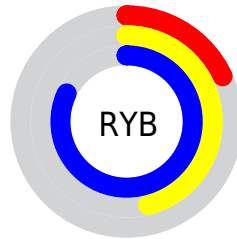
The Yxy color **35.8442, 0.2158, 0.2766** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **19.4881, 0.5500, 0.3614**, and the grayscale version is **26.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2234, 0.2381, 0.3002**, and **16.2522, 0.2061, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **33.8029, 0.2101, 0.2690**, and if you desaturate by 10%, it is **38.1788, 0.2234, 0.2843**.

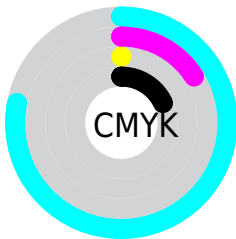
Distribution



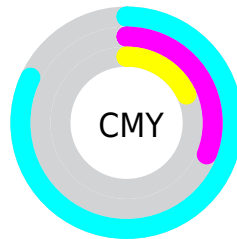
- Red (18%)
- Green (69%)
- Blue (82%)



- Red (18%)
- Yellow (46%)
- Blue (82%)



- Cyan (78%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)





- Cyan (82%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8442, 0.2158, 0.2766 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 35.8442, 0.2158, 0.2766 by changing the saturation by 10% instead.

 35.8442, 0.2158,
0.2766

 35.8442, 0.2158,
0.2766


328.2791, 0.2641,
0.3049


 24.3139, 0.2040,
0.2690


 68.7915, 0.2332,
0.2873


 15.5666, 0.1891,
0.2589


 90.9773, 0.2398,
0.2912


 9.2180, 0.1698,
0.2452


 117.4838, 0.2454,
0.2945

 4.8837, 0.1442,
0.2255

 148.6952, 0.2502,
0.2972

 2.1792, 0.1094,
0.1956

 184.9961, 0.2544,
0.2996

 0.7086, 0.0259,
0.1515

226.7707, 0.2580,

 0.0000, 0.0000,

0.3016

0.0000

274.4036, 0.2613,
0.3034

■ 35.8442, 0.2158,
0.2766

■ 35.8442, 0.2158,
0.2766

■ 33.8029, 0.2101,
0.2690

■ 38.1788, 0.2234,
0.2843

■ 32.0066, 0.2062,
0.2614

■ 40.8338, 0.2329,
0.2918

■ 31.6656, 0.2055,
0.2599

■ 43.8366, 0.2442,
0.2992

■ 47.2105, 0.2568,
0.3062

■ 50.9766, 0.2707,
0.3129

■ 55.1539, 0.2853,
0.3191

■ 59.7605, 0.3004,
0.3248

■ 64.8129, 0.3158,
0.3300

■ 70.3270, 0.3311,
0.3347

Harmonies

Analogous

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



35.8442, 0.2287, 0.3226



35.8442, 0.2158, 0.2766



35.8442, 0.2256, 0.2500

Triad

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



35.8442, 0.2158, 0.2766



35.8442, 0.3600, 0.2864



35.8442, 0.3649, 0.4259

Complementary

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



35.8442, 0.2158, 0.2766



19.4881, 0.5500, 0.3614

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.



35.8442, 0.4049, 0.4048



35.8442, 0.2158, 0.2766



35.8442, 0.4037, 0.3251

Square

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



35.8442, 0.2158, 0.2766



35.8442, 0.3052, 0.2577



35.8442, 0.4202, 0.3673



35.8442, 0.3128, 0.4172

Rectangle

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



35.8442, 0.2158, 0.2766



35.8442, 0.2442, 0.2441



35.8442, 0.4202, 0.3673



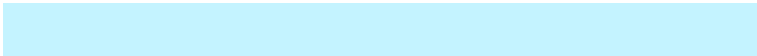
35.8442, 0.3802, 0.4216

Sweetspot

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



35.8455, 0.2158, 0.2766



82.9634, 0.2775, 0.3159



46.7491, 0.2908, 0.5369



17.2560, 0.2722, 0.3136



0.0000, 0.0000, 0.0000



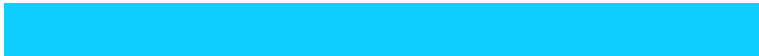
21.4041, 0.3127, 0.3290

Same Dimension

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



35.8455, 0.2158, 0.2766



50.9851, 0.2072, 0.2636



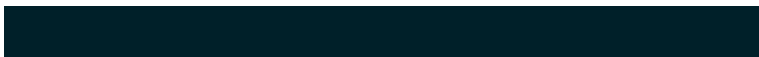
13.3458, 0.1815, 0.1449



12.9708, 0.2983, 0.3240



19.6658, 0.2058, 0.2610



1.2073, 0.2097, 0.2749

Inverse Universe

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



18.6039, 0.3650, 0.1939



26.0178, 0.3787, 0.1879



38.9316, 0.4562, 0.4510



11.9650, 0.3169, 0.3108



10.0565, 0.3814, 0.1875



0.5732, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 35.8442, 0.2158, 0.2766 looks on a white background.

Color Contrast Check

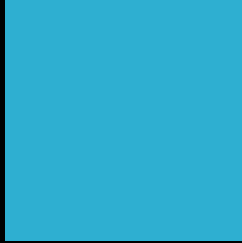
Large Text (above 18pt) WCAG AA × Fail

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 35.8442, 0.2158, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

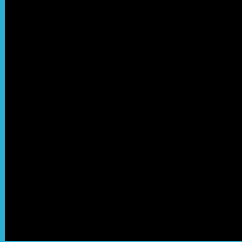
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8442, 0.2158, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 35.8442, 0.2158, 0.2766.

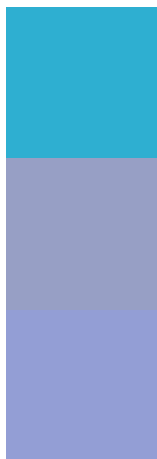


This preview shows how white text looks on a background with the Yxy color 35.8442, 0.2158, 0.2766.

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

35.8442, 0.2158, 0.2766

Protanopia

35.4068, 0.2743, 0.2757

Deuteranopia

35.4609, 0.2598, 0.2540



Tritanopia

35.8796, 0.2209, 0.3061

Trichromacy



Original Color

35.8442, 0.2158, 0.2766



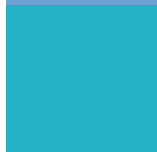
Protanomaly

34.6380, 0.2450, 0.2754



Deuteranomaly

34.6194, 0.2366, 0.2593



Tritanomaly

35.8616, 0.2189, 0.2954

Monochromacy



Original Color

35.8442, 0.2158, 0.2766



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.5632, 0.2607, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8442, 0.2158, 0.2766 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(46, 175, 209)` looks like.

```
.text, #text, p{  
    color:rgb(46, 175, 209)  
}
```

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(46, 175, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 175, 209) }
```

Border

The CSS property to change the border of an element to Yxy 35.8442, 0.2158, 0.2766 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(46, 175, 209) }
```

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

```
.border{ border-color:rgb(46, 175, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 175, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 175, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 175, 209);  
box-shadow:4px 4px 4px 4px rgb(46, 175,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8442, 0.2158, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 175, 209) }
```

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

```
.background{ background-color: rgb(46, 175,  
209) }
```

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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