

Converting Colors

$Y_{xy}(35.7007, 0.2622, 0.2895)$

Have a look what the booklet for
Yxy(35.7007, 0.2622, 0.2895)
contains.

Yxy(35.8240, 0.2625, 0.2906)	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(35.8240, 0.2625, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	82A6C0
RGB	130, 166, 192
RGB Percent	51%, 65%, 75%
CMY	0.4901, 0.3490, 0.2470
CMYK	0.32, 0.14, 0.00, 0.25
HSL	205°, 33%, 63%
HSV	205°, 32%, 75%
XYZ	32.3599, 35.8240, 55.0920
YIQ	158.2000, -29.8020, 0.4540

Conversions

Conversions Part 2

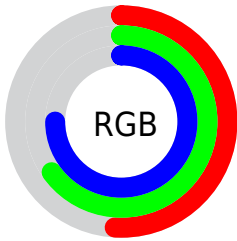
Format	Color
R_{YB}	130, 153, 192
Decimal	8562368
CIE _{Lab}	66.39, -5.97, -17.33
CIE _{LCh}	66, 18.327, 250.976
Yxy	35.8240, 0.2625, 0.2906
Android (android.graphics.Color)	4286752448 (0xFF82A6C0)
YUV	158.2000, 16.6634, -24.7314
Hunter-Lab	59.8532, -8.2360, -12.6765

Details

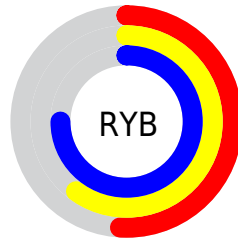
The Yxy color **35.8240, 0.2625, 0.2906** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.6125, 0.3749, 0.3643**, and the grayscale version is **34.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6806, 0.2720, 0.2986**, and **15.4893, 0.2475, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **31.6068, 0.2471, 0.2764**, and if you desaturate by 10%, it is **40.5111, 0.2782, 0.3038**.

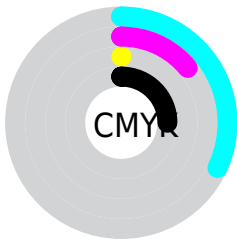
Distribution



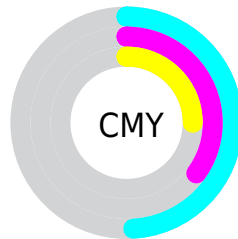
- Red (51%)
- Green (65%)
- Blue (75%)



- Red (51%)
- Yellow (60%)
- Blue (75%)



- Cyan (32%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (35%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8240, 0.2625, 0.2906 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 35.8240, 0.2625, 0.2906 by changing the saturation by 10% instead.

■ 35.8240, 0.2625,
0.2906

■ 35.8240, 0.2625,
0.2906

■ 328.1906, 0.2883,
0.3107

■ 24.2983, 0.2559,
0.2853

■ 68.7603, 0.2720,
0.2981

■ 15.5550, 0.2473,
0.2783

■ 90.9397, 0.2755,
0.3009

■ 9.2098, 0.2357,
0.2688

■ 117.4392, 0.2785,
0.3032

■ 4.8783, 0.2194,
0.2550

■ 148.6431, 0.2810,
0.3052

■ 2.1760, 0.1946,
0.2335

■ 184.9357, 0.2832,
0.3068

■ 0.7069, 0.1456,
0.1956

■ 226.7016, 0.2851,

■ 0.0000, 0.0000,

0.3083

0.0000

274.3251, 0.2868,
0.3096

■ 35.8240, 0.2625,
0.2906

■ 35.8240, 0.2625,
0.2906

■ 31.6068, 0.2471,
0.2764

■ 40.5111, 0.2782,
0.3038

■ 27.8360, 0.2325,
0.2612

■ 45.6816, 0.2939,
0.3158

■ 24.4924, 0.2191,
0.2454

■ 51.3537, 0.3093,
0.3267

■ 21.5530, 0.2072,
0.2291

■ 57.5432, 0.3241,
0.3364

■ 18.9919, 0.1973,
0.2129

■ 64.2651, 0.3384,
0.3450

■ 16.7789, 0.1895,
0.1969

■ 71.5339, 0.3519,
0.3526

■ 15.2694, 0.1847,
0.1850

■ 77.5302, 0.3576,
0.3601

■ 81.9251, 0.3557,
0.3680

■ 86.5276, 0.3538,
0.3757

Harmonies

Analogous

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



35.8240, 0.2610, 0.3093



35.8240, 0.2625, 0.2906



35.8240, 0.2768, 0.2828

Triad

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



35.8240, 0.2625, 0.2906



35.8240, 0.3541, 0.3212



35.8240, 0.3225, 0.3762

Complementary

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



35.8240, 0.2625, 0.2906



36.6125, 0.3749, 0.3643

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.



35.8240, 0.3485, 0.3776



35.8240, 0.2625, 0.2906



35.8240, 0.3674, 0.3447

Square

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



35.8240, 0.2625, 0.2906



35.8240, 0.3294, 0.3004



35.8240, 0.3652, 0.3655



35.8240, 0.2948, 0.3603

Rectangle

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



35.8240, 0.2625, 0.2906



35.8240, 0.2921, 0.2841



35.8240, 0.3652, 0.3655



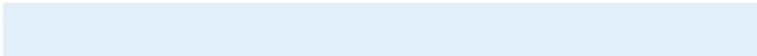
35.8240, 0.3318, 0.3784

Sweetspot

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



35.8254, 0.2625, 0.2906



84.8630, 0.2972, 0.3182



44.8523, 0.2907, 0.3829



17.9037, 0.2950, 0.3166



97.7402, 0.3127, 0.3290



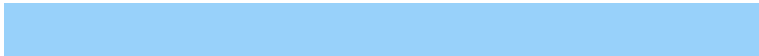
20.4902, 0.3127, 0.3290

Same Dimension

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



35.8254, 0.2625, 0.2906



59.2116, 0.2512, 0.2803



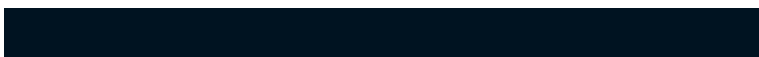
25.9325, 0.2567, 0.2428



10.6970, 0.2984, 0.3191



10.4286, 0.1853, 0.1869



0.5844, 0.1950, 0.2219

Inverse Universe

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



29.9318, 0.3439, 0.2811



47.5079, 0.3536, 0.2701



48.3018, 0.3627, 0.4026



10.1737, 0.3200, 0.3157



8.3350, 0.4603, 0.2310



0.3736, 0.4212, 0.2094

Previews

White Background



This preview shows how the Yxy color 35.8240, 0.2625, 0.2906 looks on a white background.

Color Contrast Check

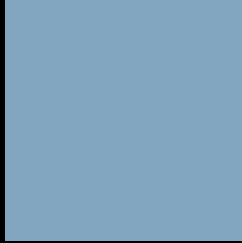
Large Text (above 18pt) WCAG AA × Fail

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 35.8240, 0.2625, 0.2906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

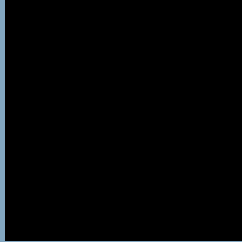
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

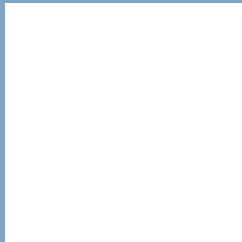
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8240, 0.2625, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 35.8240, 0.2625, 0.2906.



This preview shows how white text looks on a background with the Yxy color 35.8240, 0.2625, 0.2906.

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

35.8240, 0.2625, 0.2906

Protanopia

35.8404, 0.2855, 0.2894

Deuteranopia

35.4826, 0.2841, 0.2778



Tritanopia

35.9307, 0.2689, 0.3093

Trichromacy



Original Color

35.8240, 0.2625, 0.2906

Protanomaly

35.7178, 0.2773, 0.2902

Deuteranomaly

35.3814, 0.2758, 0.2821

Tritanomaly

35.8073, 0.2667, 0.3020

Monochromacy



Original Color

35.8240, 0.2625, 0.2906

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6879, 0.2930, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8240, 0.2625, 0.2906 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(130, 166, 192)` looks like.

```
.text, #text, p{  
    color:rgb(130, 166, 192)  
}
```

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(130, 166, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 166, 192) }
```

Border

The CSS property to change the border of an element to Yxy 35.8240, 0.2625, 0.2906 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(130, 166, 192) }
```

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

```
.border{ border-color:rgb(130, 166, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 166, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 166, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 166, 192);  
box-shadow:4px 4px 4px 4px rgb(130, 166,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8240, 0.2625, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 166, 192) }
```

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

```
.background{ background-color: rgb(130,  
166, 192) }
```

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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