

Converting Colors

$Y_{xy}(36.3119, 0.2637, 0.2884)$

Have a look what the booklet for
Yxy(36.3119, 0.2637, 0.2884)
contains.

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Color

Yxy(36.2358, 0.2641, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	86A6C2
RGB	134, 166, 194
RGB Percent	53%, 65%, 76%
CMY	0.4745, 0.3490, 0.2392
CMYK	0.31, 0.14, 0.00, 0.24
HSL	208°, 33%, 64%
HSV	208°, 31%, 76%
XYZ	33.2057, 36.2358, 56.2900
YIQ	159.6240, -28.0600, 1.9240

Conversions

Conversions Part 2

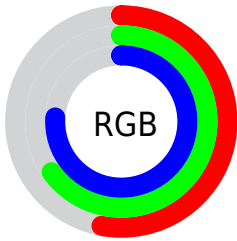
Format	Color
RYB	134, 155, 194
Decimal	8824514
CIELab	66.70, -4.31, -17.93
CIElCh	67, 18.443, 256.472
Yxy	36.2358, 0.2641, 0.2882
Android (android.graphics.Color)	4287014594 (0xFF86A6C2)
YUV	159.6240, 16.9474, -22.4722
Hunter-Lab	60.1962, -6.8784, -13.3053

Details

The Yxy color **36.2358, 0.2641, 0.2882** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.0351, 0.3706, 0.3665**, and the grayscale version is **34.9028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3693, 0.2728, 0.2956**, and **15.7219, 0.2494, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **31.6096, 0.2482, 0.2724**, and if you desaturate by 10%, it is **41.3891, 0.2801, 0.3028**.

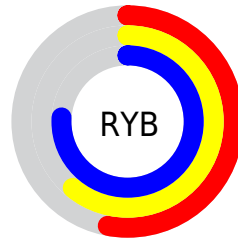
Distribution



Red (53%)

Green (65%)

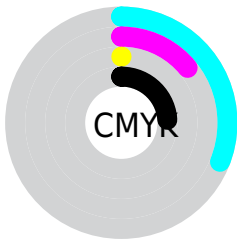
Blue (76%)



Red (53%)

Yellow (61%)

Blue (76%)

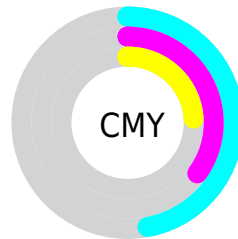


Cyan (31%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2358, 0.2641, 0.2882 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 36.2358, 0.2641, 0.2882 by changing the saturation by 10% instead.


 36.2358, 0.2641,
0.2882


 36.2358, 0.2641,
0.2882


329.9900, 0.2890,
0.3094


 24.6164, 0.2577,
0.2827


 69.3959, 0.2733,
0.2961

 15.7915, 0.2494,
0.2754


 91.7053, 0.2767,
0.2990

 9.3767, 0.2383,
0.2655

 118.3468, 0.2796,
0.3015

 4.9877, 0.2225,
0.2513

149.7048, 0.2820,
0.3035

 2.2400, 0.1986,
0.2294

186.1638, 0.2841,
0.3053

 0.7417, 0.1549,
0.1916

228.1080, 0.2860,

 0.0000, 0.0000,

0.3069

0.0000

275.9220, 0.2876,
0.3082

■ 36.2358, 0.2641,
0.2882

■ 36.2358, 0.2641,
0.2882

■ 31.6096, 0.2482,
0.2724

■ 41.3891, 0.2801,
0.3028

■ 27.4854, 0.2329,
0.2555

■ 47.0847, 0.2959,
0.3160

■ 23.8423, 0.2186,
0.2378

■ 53.3421, 0.3113,
0.3280

■ 20.6557, 0.2058,
0.2197

■ 60.1787, 0.3260,
0.3386

■ 17.8979, 0.1949,
0.2016

■ 67.6110, 0.3400,
0.3480

■ 15.5371, 0.1863,
0.1839

■ 75.6547, 0.3532,
0.3563

■ 13.6892, 0.1802,
0.1685

■ 81.4079, 0.3546,
0.3649

■ 86.5613, 0.3525,
0.3736

■ 91.9802, 0.3506,
0.3821

Harmonies

Analogous

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



36.2358, 0.2601, 0.3051



36.2358, 0.2641, 0.2882



36.2358, 0.2805, 0.2825

Triad

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



36.2358, 0.2641, 0.2882



36.2358, 0.3577, 0.3255



36.2358, 0.3173, 0.3745

Complementary

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



36.2358, 0.2641, 0.2882



39.0351, 0.3706, 0.3665

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.



36.2358, 0.3443, 0.3786



36.2358, 0.2641, 0.2882



36.2358, 0.3684, 0.3489

Square

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



36.2358, 0.2641, 0.2882



36.2358, 0.3345, 0.3038



36.2358, 0.3632, 0.3686



36.2358, 0.2900, 0.3562

Rectangle

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



36.2358, 0.2641, 0.2882



36.2358, 0.2969, 0.2852



36.2358, 0.3632, 0.3686



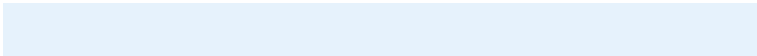
36.2358, 0.3268, 0.3776

Sweetspot

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



36.2372, 0.2641, 0.2882



87.2479, 0.2987, 0.3183



46.2661, 0.2895, 0.3757



18.7514, 0.2964, 0.3164



0.0000, 0.0000, 0.0000



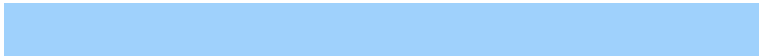
21.4041, 0.3127, 0.3290

Same Dimension

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



36.2372, 0.2641, 0.2882



59.9630, 0.2535, 0.2778



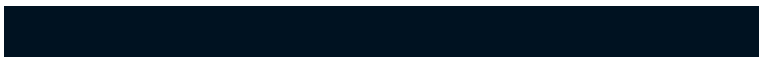
26.5712, 0.2588, 0.2424



10.6175, 0.2984, 0.3180



9.1645, 0.1808, 0.1707



0.5329, 0.1914, 0.2092

Inverse Universe

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



31.2736, 0.3453, 0.2867



50.1872, 0.3549, 0.2774



50.8968, 0.3595, 0.4030



10.1657, 0.3207, 0.3168



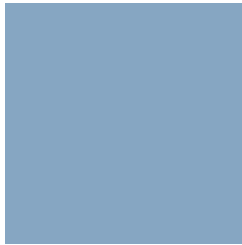
8.2074, 0.4798, 0.2417



0.3684, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 36.2358, 0.2641, 0.2882 looks on a white background.

Color Contrast Check

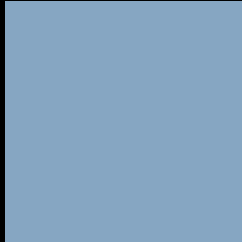
Large Text (above 18pt) WCAG AA × Fail

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 36.2358, 0.2641, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

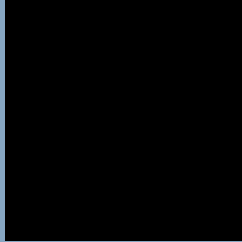
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

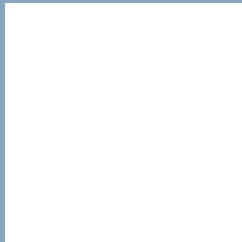
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2358, 0.2641, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 36.2358, 0.2641, 0.2882.



This preview shows how white text looks on a background with the Yxy color 36.2358, 0.2641, 0.2882.

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

36.2358, 0.2641, 0.2882

Protanopia

35.9272, 0.2840, 0.2868

Deuteranopia

36.0163, 0.2835, 0.2768



Tritanopia

36.2080, 0.2705, 0.3079

Trichromacy



Original Color

36.2358, 0.2641, 0.2882

Protanomaly

35.8981, 0.2767, 0.2876

Deuteranomaly

36.0092, 0.2761, 0.2811

Tritanomaly

36.0881, 0.2683, 0.3007

Monochromacy



Original Color

36.2358, 0.2641, 0.2882

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.3985, 0.2941, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2358, 0.2641, 0.2882 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(134, 166, 194)` looks like.

```
.text, #text, p{  
    color:rgb(134, 166, 194)  
}
```

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(134, 166, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 166, 194) }
```

Border

The CSS property to change the border of an element to Yxy 36.2358, 0.2641, 0.2882 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(134, 166, 194) }
```

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

```
.border{ border-color:rgb(134, 166, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 166, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 166, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 166, 194);  
box-shadow:4px 4px 4px 4px rgb(134, 166,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2358, 0.2641, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 166, 194) }
```

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

```
.background{ background-color: rgb(134,  
166, 194) }
```

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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