

Converting Colors

$Y_{xy}(35.9955, 0.2691, 0.2918)$

Have a look what the booklet for
Yxy(35.9955, 0.2691, 0.2918)
contains.

Yxy(36.0312, 0.2698, 0.2925)	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(36.0312, 0.2698, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	8AA5BE
RGB	138, 165, 190
RGB Percent	54%, 65%, 75%
CMY	0.4587, 0.3530, 0.2549
CMYK	0.27, 0.13, 0.00, 0.25
HSL	209°, 29%, 64%
HSV	209°, 27%, 75%
XYZ	33.2349, 36.0312, 53.9175
YIQ	159.7770, -24.1170, 2.0510

Conversions

Conversions Part 2

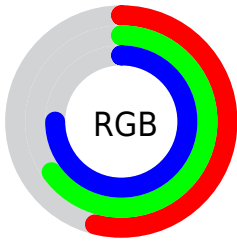
Format	Color
RYB	138, 156, 190
Decimal	9086398
CIELab	66.54, -3.54, -15.91
CIElCh	67, 16.301, 257.463
Yxy	36.0312, 0.2698, 0.2925
Android (android.graphics.Color)	4287276478 (0xFF8AA5BE)
YUV	159.7770, 14.8999, -19.0984
Hunter-Lab	60.0260, -6.2144, -11.2382

Details

The Yxy color **36.0312, 0.2698, 0.2925** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.9931, 0.3623, 0.3629**, and the grayscale version is **34.9879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0467, 0.2779, 0.3000**, and **15.6426, 0.2566, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **31.3695, 0.2537, 0.2766**, and if you desaturate by 10%, it is **41.2151, 0.2858, 0.3070**.

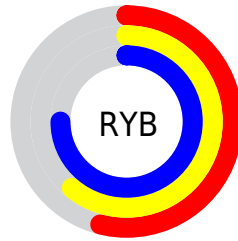
Distribution



Red (54%)

Green (65%)

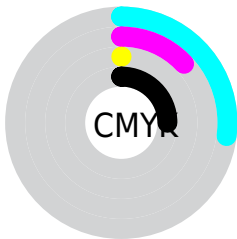
Blue (75%)



Red (54%)

Yellow (61%)

Blue (75%)

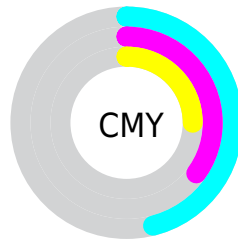


Cyan (27%)

Magenta (13%)

Yellow (0%)

Black (25%)



Cyan (46%)

Magenta (35%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0312, 0.2698, 0.2925 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 36.0312, 0.2698, 0.2925 by changing the saturation by 10% instead.

■ 36.0312, 0.2698,
0.2925

■ 36.0312, 0.2698,
0.2925

■ 329.0969, 0.2919,
0.3115

■ 24.4583, 0.2641,
0.2875

■ 69.0802, 0.2780,
0.2996

■ 15.6739, 0.2567,
0.2810

■ 91.3251, 0.2810,
0.3022

■ 9.2937, 0.2466,
0.2720

■ 117.8961, 0.2835,
0.3044

■ 4.9333, 0.2323,
0.2591

■ 149.1777, 0.2857,
0.3062

■ 2.2082, 0.2105,
0.2391

■ 185.5541, 0.2876,
0.3078

■ 0.7244, 0.1690,
0.2033

■ 227.4099, 0.2892,

■ 0.0000, 0.0000,

0.3092

0.0000

275.1293, 0.2906,
0.3104

■ 36.0312, 0.2698,
0.2925

■ 36.0312, 0.2698,
0.2925

■ 31.3695, 0.2537,
0.2766

■ 41.2151, 0.2858,
0.3070

■ 27.2060, 0.2380,
0.2596

■ 46.9354, 0.3015,
0.3202

■ 23.5211, 0.2231,
0.2416

■ 53.2109, 0.3167,
0.3320

■ 20.2917, 0.2095,
0.2230

■ 60.0581, 0.3311,
0.3425

■ 17.4922, 0.1977,
0.2043

■ 67.4929, 0.3447,
0.3517

■ 15.0934, 0.1880,
0.1859

■ 75.5302, 0.3574,
0.3599

■ 13.0560, 0.1806,
0.1683

■ 81.0149, 0.3574,
0.3686

■ 12.5596, 0.1788,
0.1638

■ 86.2087, 0.3552,
0.3774

■ 91.6730, 0.3531,
0.3859

Harmonies

Analogous

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



36.0312, 0.2658, 0.3074



36.0312, 0.2698, 0.2925



36.0312, 0.2848, 0.2877

Triad

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



36.0312, 0.2698, 0.2925



36.0312, 0.3530, 0.3267



36.0312, 0.3161, 0.3687

Complementary

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



36.0312, 0.2698, 0.2925



38.9931, 0.3623, 0.3629

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.



36.0312, 0.3401, 0.3730



36.0312, 0.2698, 0.2925



36.0312, 0.3620, 0.3475

Square

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



36.0312, 0.2698, 0.2925



36.0312, 0.3329, 0.3071



36.0312, 0.3571, 0.3647



36.0312, 0.2919, 0.3523

Rectangle

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



36.0312, 0.2698, 0.2925



36.0312, 0.2995, 0.2902



36.0312, 0.3571, 0.3647



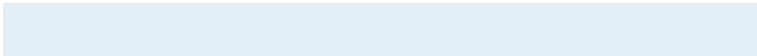
36.0312, 0.3245, 0.3716

Sweetspot

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



36.0326, 0.2698, 0.2925



84.2082, 0.3003, 0.3192



44.8522, 0.2920, 0.3694



18.1327, 0.2980, 0.3173



97.7402, 0.3127, 0.3290



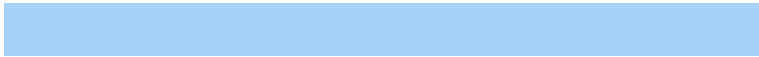
20.4902, 0.3127, 0.3290

Same Dimension

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



36.0326, 0.2698, 0.2925



59.9601, 0.2598, 0.2828



27.8135, 0.2660, 0.2540



10.0220, 0.2984, 0.3177



8.5094, 0.1795, 0.1660



0.4637, 0.1912, 0.2084

Inverse Universe

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



31.8516, 0.3413, 0.2929



51.5677, 0.3499, 0.2843



48.8641, 0.3540, 0.3944



9.6168, 0.3209, 0.3172



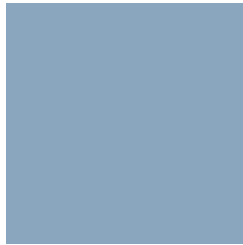
7.8887, 0.4856, 0.2449



0.3222, 0.4359, 0.2175

Previews

White Background



This preview shows how the Yxy color 36.0312, 0.2698, 0.2925 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 36.0312, 0.2698, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

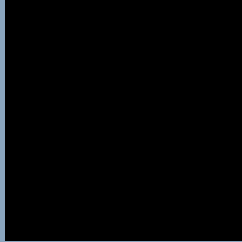
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

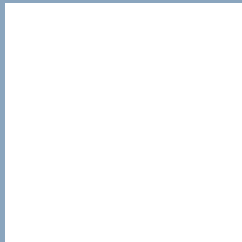
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0312, 0.2698, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 36.0312, 0.2698, 0.2925.



This preview shows how white text looks on a background with the Yxy color 36.0312, 0.2698, 0.2925.

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

36.0312, 0.2698, 0.2925

Protanopia

35.8976, 0.2872, 0.2909

Deuteranopia

36.0460, 0.2884, 0.2821



Tritanopia

36.1670, 0.2757, 0.3095

Trichromacy



Original Color

36.0312, 0.2698, 0.2925

Protanomaly

35.9555, 0.2806, 0.2918

Deuteranomaly

36.1214, 0.2816, 0.2867

Tritanomaly

36.0515, 0.2734, 0.3023

Monochromacy



Original Color

36.0312, 0.2698, 0.2925

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.4563, 0.2958, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0312, 0.2698, 0.2925 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(138, 165, 190)` looks like.

```
.text, #text, p{  
    color:rgb(138, 165, 190)  
}
```

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(138, 165, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 165, 190) }
```

Border

The CSS property to change the border of an element to Yxy 36.0312, 0.2698, 0.2925 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(138, 165, 190) }
```

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

```
.border{ border-color:rgb(138, 165, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 165, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 165, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 165, 190); box-shadow:4px 4px 4px 4px rgb(138, 165, 190) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0312, 0.2698, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 165, 190) }
```

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

```
.background{ background-color: rgb(138,  
165, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor