

Converting Colors

$Yxy(35.8032, 0.2488, 0.3012)$

Have a look what the booklet for
Yxy(35.8032, 0.2488, 0.3012)
contains.

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Color

Yxy(35.8032, 0.2488, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	69ABBD
RGB	105, 171, 189
RGB Percent	41%, 67%, 74%
CMY	0.5882, 0.3294, 0.2589
CMYK	0.44, 0.10, 0.00, 0.26
HSL	193°, 39%, 58%
HSV	193°, 44%, 74%
XYZ	29.5745, 35.8032, 53.4908
YIQ	153.3180, -45.1140, -8.3940

Conversions

Conversions Part 2

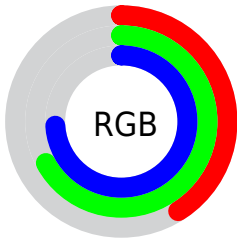
Format	Color
RYB	105, 142, 189
Decimal	6925245
CIELab	66.37, -16.22, -15.79
CIELCh	66, 22.643, 224.231
Yxy	35.8032, 0.2488, 0.3012
Android (android.graphics.Color)	4285115325 (0xFF69ABBD)
YUV	153.3180, 17.5912, -42.3749
Hunter-Lab	59.8358, -16.4870, -11.1179

Details

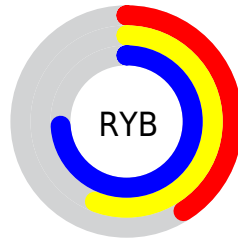
The Yxy color **35.8032, 0.2488, 0.3012** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.0065, 0.4171, 0.3543**, and the grayscale version is **31.9398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4589, 0.2607, 0.3068**, and **15.6242, 0.2297, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **33.2779, 0.2370, 0.2938**, and if you desaturate by 10%, it is **38.6324, 0.2619, 0.3083**.

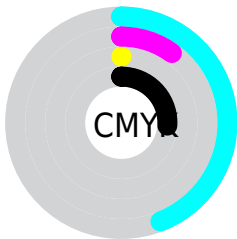
Distribution



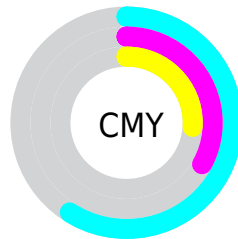
- Red (41%)
- Green (67%)
- Blue (74%)



- Red (41%)
- Yellow (56%)
- Blue (74%)



- Cyan (44%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)





- Cyan (59%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8032, 0.2488, 0.3012 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 35.8032, 0.2488, 0.3012 by changing the saturation by 10% instead.


 35.8032, 0.2488,
0.3012


 35.8032, 0.2488,
0.3012

328.0996, 0.2814,
0.3163

 24.2822, 0.2405,
0.2970


 68.7282, 0.2608,
0.3070

 15.5431, 0.2298,
0.2915


 90.9010, 0.2652,
0.3091

 9.2014, 0.2155,
0.2836


 117.3933, 0.2690,
0.3108

 4.8728, 0.1955,
0.2719

 148.5893, 0.2722,
0.3122

 2.1728, 0.1658,
0.2528

184.8736, 0.2749,
0.3135

 0.7051, 0.0866,
0.2227

226.6305, 0.2774,

 0.0000, 0.0000,

0.3146

0.0000

274.2443, 0.2795,
0.3155

■ 35.8032, 0.2488,
0.3012

■ 35.8032, 0.2488,
0.3012

■ 33.2779, 0.2370,
0.2938

■ 38.6324, 0.2619,
0.3083

■ 31.0350, 0.2268,
0.2861

■ 41.7773, 0.2760,
0.3149

■ 29.0562, 0.2183,
0.2783


■ 45.2538, 0.2908,
0.3210

■ 27.3192, 0.2118,
0.2705


■ 49.0757, 0.3060,
0.3267

■ 25.7966, 0.2072,
0.2627

■ 53.2557, 0.3212,
0.3318

 25.0114, 0.2051,
0.2584

 57.8060, 0.3363,
0.3364

 62.7379, 0.3512,
0.3404

 67.8317, 0.3646,
0.3441

 69.7741, 0.3635,
0.3482

Harmonies

Analogous

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



35.8032, 0.2610, 0.3326



35.8032, 0.2488, 0.3012



35.8032, 0.2524, 0.2799

Triad

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



35.8032, 0.2488, 0.3012



35.8032, 0.3369, 0.2965



35.8032, 0.3535, 0.3899

Complementary

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



35.8032, 0.2488, 0.3012



26.0065, 0.4171, 0.3543

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.



35.8032, 0.3760, 0.3757



35.8032, 0.2488, 0.3012



35.8032, 0.3666, 0.3222

Square

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



35.8032, 0.2488, 0.3012



35.8032, 0.3017, 0.2786



35.8032, 0.3812, 0.3507



35.8032, 0.3207, 0.3867

Rectangle

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



35.8032, 0.2488, 0.3012



35.8032, 0.2634, 0.2733



35.8032, 0.3812, 0.3507



35.8032, 0.3626, 0.3869

Sweetspot

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



35.8046, 0.2488, 0.3012



81.8615, 0.2926, 0.3218



40.7967, 0.2957, 0.4382



17.2928, 0.2893, 0.3205



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.8046, 0.2488, 0.3012



59.8564, 0.2376, 0.2942



22.6997, 0.2373, 0.2339



10.4531, 0.2985, 0.3240



16.9447, 0.2054, 0.2594



0.7519, 0.2105, 0.2779

Inverse Universe

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



23.8652, 0.3385, 0.2420



36.6607, 0.3458, 0.2254



38.3176, 0.3916, 0.4080



9.6603, 0.3169, 0.3112



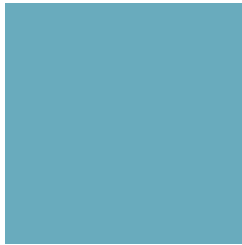
8.7403, 0.3830, 0.1883



0.3513, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 35.8032, 0.2488, 0.3012 looks on a white background.

Color Contrast Check

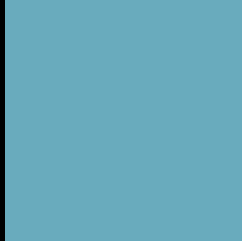
Large Text (above 18pt) WCAG AA × Fail

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 35.8032, 0.2488, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

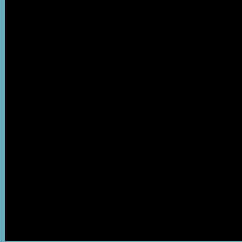
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8032, 0.2488, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 35.8032, 0.2488, 0.3012.



This preview shows how white text looks on a background with the Yxy color 35.8032, 0.2488, 0.3012.

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

35.8032, 0.2488, 0.3012

Protanopia

35.3006, 0.2920, 0.2975

Deuteranopia

35.4968, 0.2865, 0.2804



Tritanopia

35.9509, 0.2509, 0.3087

Trichromacy



Original Color

35.8032, 0.2488, 0.3012

Protanomaly

35.0584, 0.2738, 0.2979

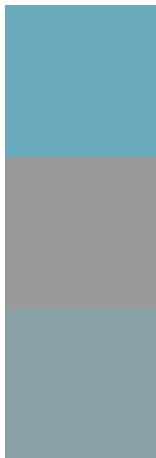
Deuteranomaly

35.2650, 0.2710, 0.2869

Tritanomaly

35.9933, 0.2503, 0.3072

Monochromacy



Original Color

35.8032, 0.2488, 0.3012

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1290, 0.2857, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8032, 0.2488, 0.3012 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(105, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(105, 171, 189)  
}
```

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(105, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 35.8032, 0.2488, 0.3012 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(105, 171, 189) }
```

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

```
.border{ border-color:rgb(105, 171, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 171, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(105, 171,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8032, 0.2488, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 171, 189) }
```

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

```
.background{ background-color: rgb(105,  
171, 189) }
```

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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