

Converting Colors

$Y_{xy}(35.4098, 0.2456, 0.3012)$

Have a look what the booklet for
Yxy(35.4098, 0.2456, 0.3012)
contains.

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Color

Yxy(35.4526, 0.2453, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	63ABBD
RGB	99, 171, 189
RGB Percent	39%, 67%, 74%
CMY	0.6114, 0.3295, 0.2588
CMYK	0.48, 0.10, 0.00, 0.26
HSL	192°, 41%, 56%
HSV	192°, 48%, 74%
XYZ	28.9017, 35.4526, 53.4676
YIQ	151.5240, -48.6900, -9.6660

Conversions

Conversions Part 2

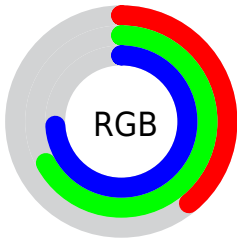
Format	Color
R _Y B	99, 139, 189
Decimal	6532029
CIE Lab	66.10, -17.65, -16.24
CIE LCh	66, 23.983, 222.610
Yxy	35.4526, 0.2453, 0.3009
Android (android.graphics.Color)	4284722109 (0xFF63ABBD)
YUV	151.5240, 18.4757, -46.0635
Hunter-Lab	59.5421, -17.5548, -11.5617

Details

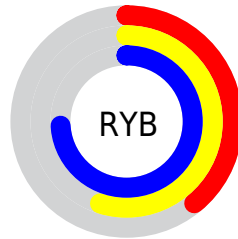
The Yxy color **35.4526, 0.2453, 0.3009** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.4715, 0.4288, 0.3542**, and the grayscale version is **31.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9538, 0.2581, 0.3066**, and **15.4426, 0.2254, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **33.0995, 0.2341, 0.2939**, and if you desaturate by 10%, it is **38.0987, 0.2579, 0.3076**.

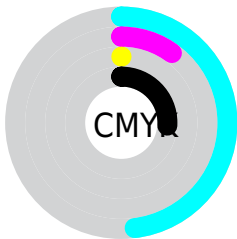
Distribution



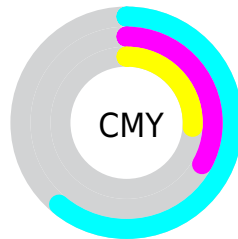
- Red (39%)
- Green (67%)
- Blue (74%)



- Red (39%)
- Yellow (55%)
- Blue (74%)



- Cyan (48%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)





- Cyan (61%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4526, 0.2453, 0.3009 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 35.4526, 0.2453, 0.3009 by changing the saturation by 10% instead.


 35.4526, 0.2453,
0.3009


 35.4526, 0.2453,
0.3009


326.5616, 0.2797,
0.3163

 24.0117, 0.2366,
0.2966


 68.1863, 0.2579,
0.3068

 15.3423, 0.2253,
0.2909


 90.2480, 0.2626,
0.3089

 9.0600, 0.2103,
0.2828


 116.6187, 0.2666,
0.3107

 4.7803, 0.1893,
0.2707

 147.6828, 0.2700,
0.3122

 2.1190, 0.1583,
0.2508

183.8247, 0.2729,
0.3134

 0.6753, 0.0687,
0.2200

225.4289, 0.2754,

 0.0000, 0.0000,

0.3145

0.0000

272.8798, 0.2777,
0.3154

■ 35.4526, 0.2453,
0.3009

■ 35.4526, 0.2453,
0.3009

■ 33.0995, 0.2341,
0.2939

■ 38.0987, 0.2579,
0.3076

■ 31.0172, 0.2246,
0.2867

■ 41.0498, 0.2716,
0.3139

■ 29.1869, 0.2170,
0.2795

■ 44.3224, 0.2861,
0.3198

■ 27.5849, 0.2113,
0.2722

■ 47.9302, 0.3012,
0.3252

■ 26.1767, 0.2073,
0.2650

■ 51.8862, 0.3164,
0.3302

■ 25.8495, 0.2065,
0.2633

■ 56.2028, 0.3317,
0.3346

■ 60.8914, 0.3467,
0.3386

■ 65.9631, 0.3613,
0.3421

■ 68.6348, 0.3641,
0.3458

Harmonies

Analogous

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



35.4526, 0.2590, 0.3346



35.4526, 0.2453, 0.3009



35.4526, 0.2482, 0.2777

Triad

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



35.4526, 0.2453, 0.3009



35.4526, 0.3364, 0.2933



35.4526, 0.3576, 0.3934

Complementary

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



35.4526, 0.2453, 0.3009



24.4715, 0.4288, 0.3542

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.



35.4526, 0.3808, 0.3772



35.4526, 0.2453, 0.3009



35.4526, 0.3687, 0.3201

Square

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



35.4526, 0.2453, 0.3009



35.4526, 0.2990, 0.2750



35.4526, 0.3852, 0.3502



35.4526, 0.3230, 0.3913

Rectangle

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



35.4526, 0.2453, 0.3009



35.4526, 0.2593, 0.2703



35.4526, 0.3852, 0.3502



35.4526, 0.3670, 0.3897

Sweetspot

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



35.4540, 0.2453, 0.3009



81.4690, 0.2911, 0.3217



40.3426, 0.2947, 0.4475



17.2272, 0.2879, 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.



35.4540, 0.2453, 0.3009



59.1411, 0.2338, 0.2937



21.2716, 0.2316, 0.2258



10.4759, 0.2985, 0.3243



17.5004, 0.2067, 0.2642



0.7695, 0.2115, 0.2814

Inverse Universe

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



22.7012, 0.3393, 0.2348



34.5348, 0.3470, 0.2172



37.5750, 0.3978, 0.4133



9.6626, 0.3167, 0.3108



8.7964, 0.3784, 0.1858



0.3530, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 35.4526, 0.2453, 0.3009 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 35.4526, 0.2453, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

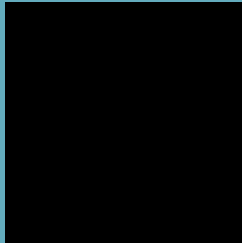
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4526, 0.2453, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 35.4526, 0.2453, 0.3009.

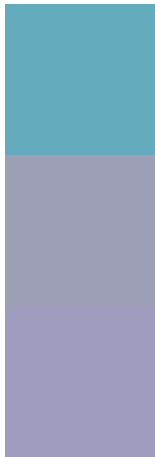


This preview shows how white text looks on a background with the Yxy color 35.4526, 0.2453, 0.3009.

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

35.4526, 0.2453, 0.3009

Protanopia

35.2004, 0.2911, 0.2974

Deuteranopia

34.9536, 0.2847, 0.2788



Tritanopia

35.6045, 0.2473, 0.3085

Trichromacy



Original Color

35.4526, 0.2453, 0.3009

Protanomaly

34.8060, 0.2714, 0.2976

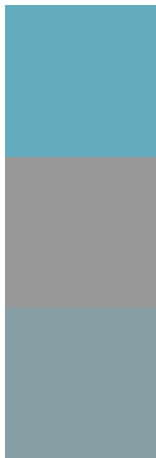
Deuteranomaly

34.5697, 0.2677, 0.2850

Tritanomaly

35.6469, 0.2467, 0.3070

Monochromacy



Original Color

35.4526, 0.2453, 0.3009

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.4994, 0.2838, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4526, 0.2453, 0.3009 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(99, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 35.4526, 0.2453, 0.3009 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(99, 171, 189) }
```

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

```
.border{ border-color:rgb(99, 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(99, 171, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4526, 0.2453, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 171, 189) }
```

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

```
.background{ background-color: rgb(99, 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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