

Converting Colors

$Y_{xy}(34.3950, 0.2329, 0.3068)$

Have a look what the booklet for
Yxy(34.3950, 0.2329, 0.3068)
contains.

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Color

Yxy(34.3154, 0.2326, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	45ACBA
RGB	69, 172, 186
RGB Percent	27%, 67%, 73%
CMY	0.7291, 0.3255, 0.2705
CMYK	0.63, 0.08, 0.00, 0.27
HSL	187°, 46%, 50%
HSV	187°, 63%, 73%
XYZ	26.0757, 34.3154, 51.7141
YIQ	142.7990, -65.8820, -17.4820

Conversions

Conversions Part 2

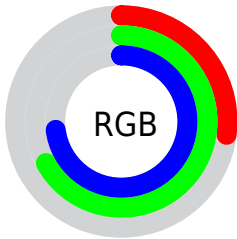
Format	Color
R_{YB}	69, 124, 186
Decimal	4566202
CIE _{Lab}	65.21, -25.16, -16.02
CIE _{LCh}	65, 29.831, 212.487
Yxy	34.3154, 0.2326, 0.3061
Android (android.graphics.Color)	4282756282 (0xFF45ACBA)
YUV	142.7990, 21.2981, -64.7217
Hunter-Lab	58.5793, -23.0574, -11.3359

Details

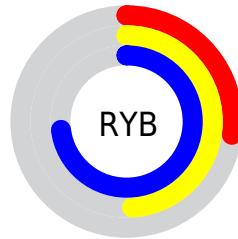
The Yxy color **34.3154, 0.2326, 0.3061** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.0768, 0.4970, 0.3473**, and the grayscale version is **27.3271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5647, 0.2475, 0.3118**, and **14.8871, 0.2157, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **32.8965, 0.2252, 0.3019**, and if you desaturate by 10%, it is **35.9645, 0.2419, 0.3102**.

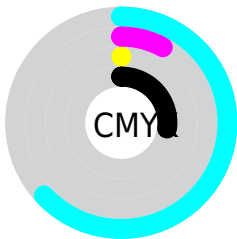
Distribution



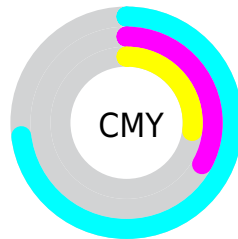
- Red (27%)
- Green (67%)
- Blue (73%)



- Red (27%)
- Yellow (49%)
- Blue (73%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)





- Cyan (73%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3154, 0.2326, 0.3061 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 34.3154, 0.2326, 0.3061 by changing the saturation by 10% instead.

 34.3154, 0.2326,
0.3061


 34.3154, 0.2326,
0.3061


321.5361, 0.2734,
0.3192

 23.1360, 0.2223,
0.3023


 66.4238, 0.2476,
0.3113


 14.6940, 0.2090,
0.2970


 88.1217, 0.2532,
0.3131

 8.6049, 0.1912,
0.2893


 114.0944, 0.2579,
0.3146

 4.4844, 0.1667,
0.2774

 144.7265, 0.2619,
0.3158

 1.9480, 0.1313,
0.2570

 180.4024, 0.2654,
0.3169

 0.5770, 0.0000,
0.2256

221.5063, 0.2684,

 0.0000, 0.0000,

0.3178

0.0000

268.4228, 0.2711,
0.3186

■ 34.3154, 0.2326,
0.3061

■ 34.3154, 0.2326,
0.3061

■ 32.8965, 0.2252,
0.3019

■ 35.9645, 0.2419,
0.3102

■ 31.6830, 0.2197,
0.2978

■ 37.8579, 0.2528,
0.3142

■ 30.6515, 0.2160,
0.2936

■ 40.0131, 0.2652,
0.3180

■ 29.9912, 0.2141,
0.2907

■ 42.4449, 0.2788,
0.3217

■ 45.1669, 0.2933,
0.3251

■ 48.1917, 0.3083,
0.3282

■ 51.5313, 0.3237,
0.3310

■ 55.1968, 0.3392,
0.3335

■ 59.1989, 0.3545,
0.3358

Harmonies

Analogous

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



34.3154, 0.2556, 0.3512



34.3154, 0.2326, 0.3061



34.3154, 0.2294, 0.2723

Triad

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



34.3154, 0.2326, 0.3061



34.3154, 0.3262, 0.2758



34.3154, 0.3804, 0.4047

Complementary

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



34.3154, 0.2326, 0.3061



17.0768, 0.4970, 0.3473

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.



34.3154, 0.4030, 0.3776



34.3154, 0.2326, 0.3061



34.3154, 0.3710, 0.3055

Square

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



34.3154, 0.2326, 0.3061



34.3154, 0.2806, 0.2581



34.3154, 0.3999, 0.3417



34.3154, 0.3403, 0.4121

Rectangle

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



34.3154, 0.2326, 0.3061



34.3154, 0.2385, 0.2595



34.3154, 0.3999, 0.3417



34.3154, 0.3904, 0.3973

Sweetspot

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



34.3167, 0.2326, 0.3061



78.6026, 0.2838, 0.3229



37.0151, 0.2967, 0.5090



17.0070, 0.2797, 0.3219



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.



34.3167, 0.2326, 0.3061



58.8291, 0.2231, 0.3005



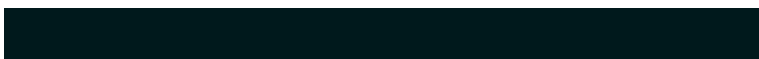
16.8295, 0.2089, 0.2029



10.0217, 0.2985, 0.3262



20.2450, 0.2142, 0.2912



0.7659, 0.2172, 0.3018

Inverse Universe

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



17.6871, 0.3375, 0.2001



27.4039, 0.3437, 0.1835



29.9802, 0.4370, 0.4242



9.1437, 0.3155, 0.3091



8.8261, 0.3532, 0.1719



0.3164, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 34.3154, 0.2326, 0.3061 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 34.3154, 0.2326, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

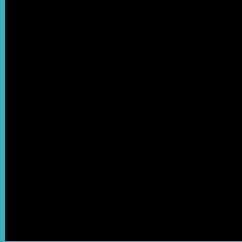
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3154, 0.2326, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 34.3154, 0.2326, 0.3061.

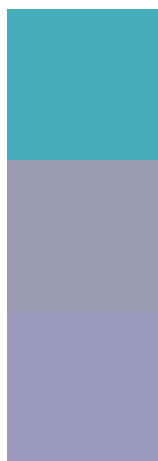


This preview shows how white text looks on a background with the Yxy color 34.3154, 0.2326, 0.3061.

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

34.3154, 0.2326, 0.3061

Protanopia

33.8801, 0.2942, 0.2999

Deuteranopia

33.8968, 0.2835, 0.2781



Tritanopia

34.3154, 0.2326, 0.3061

Trichromacy



Original Color

34.3154, 0.2326, 0.3061

Protanomaly

33.4210, 0.2656, 0.3012

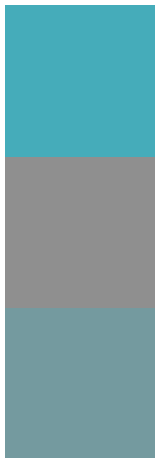
Deuteranomaly

33.4489, 0.2592, 0.2866

Tritanomaly

34.3154, 0.2326, 0.3061

Monochromacy



Original Color

34.3154, 0.2326, 0.3061

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.3274, 0.2734, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3154, 0.2326, 0.3061 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(69, 172, 186)` looks like.

```
.text, #text, p{  
    color:rgb(69, 172, 186)  
}
```

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(69, 172, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 172, 186) }
```

Border

The CSS property to change the border of an element to Yxy 34.3154, 0.2326, 0.3061 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(69, 172, 186) }
```

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

```
.border{ border-color:rgb(69, 172, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 172, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 172, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 172, 186);  
box-shadow:4px 4px 4px 4px rgb(69, 172,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3154, 0.2326, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 172, 186) }
```

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

```
.background{ background-color: rgb(69, 172,  
186) }
```

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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