

Converting Colors

$Y_{xy}(34.7900, 0.2396, 0.3035)$

Have a look what the booklet for
Yxy(34.7900, 0.2396, 0.3035)
contains.

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Color

Yxy(34.6921, 0.2394, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	56ABBB
RGB	86, 171, 187
RGB Percent	34%, 67%, 73%
CMY	0.6626, 0.3294, 0.2666
CMYK	0.54, 0.09, 0.00, 0.27
HSL	190°, 43%, 54%
HSV	190°, 54%, 73%
XYZ	27.3741, 34.6921, 52.2783
YIQ	147.4090, -55.7960, -13.0440

Conversions

Conversions Part 2

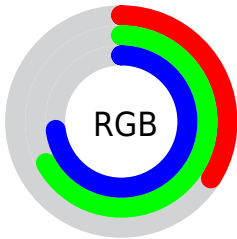
Format	Color
RYP	86, 132, 187
Decimal	5680059
CIELab	65.51, -21.13, -16.08
CIElCh	66, 26.554, 217.262
Yxy	34.6921, 0.2394, 0.3034
Android (android.graphics.Color)	4283870139 (0xFF56ABBB)
YUV	147.4090, 19.5184, -53.8557
Hunter-Lab	58.9000, -20.1163, -11.3944

Details

The Yxy color **34.6921, 0.2394, 0.3034** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7543, 0.4559, 0.3512**, and the grayscale version is **29.2950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2489, 0.2532, 0.3098**, and **15.0250, 0.2179, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **32.8098, 0.2298, 0.2979**, and if you desaturate by 10%, it is **36.8344, 0.2506, 0.3088**.

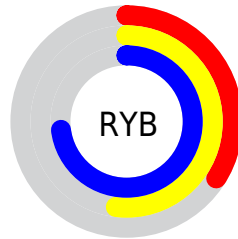
Distribution



Red (34%)

Green (67%)

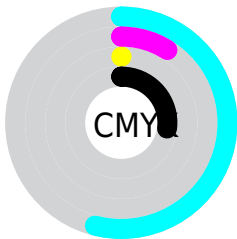
Blue (73%)



Red (34%)

Yellow (52%)

Blue (73%)

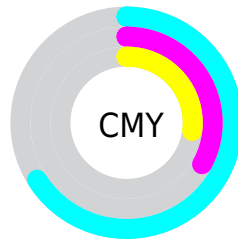


Cyan (54%)

Magenta (9%)

Yellow (0%)

Black (27%)



Cyan (66%)


Magenta (33%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6921, 0.2394, 0.3034 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 34.6921, 0.2394, 0.3034 by changing the saturation by 10% instead.


 34.6921, 0.2394,
0.3034


 34.6921, 0.2394,
0.3034


323.2072, 0.2768,
0.3177


 23.4258, 0.2299,
0.2993


 67.0085, 0.2531,
0.3090

 14.9082, 0.2176,
0.2938


 88.8274, 0.2582,
0.3109

 8.7550, 0.2013,
0.2859


 114.9326, 0.2626,
0.3126

 4.5817, 0.1785,
0.2738

 145.7085, 0.2662,
0.3139

 2.0040, 0.1452,
0.2537

181.5395, 0.2694,
0.3151

 0.6098, 0.0234,
0.2243

222.8101, 0.2722,

 0.0000, 0.0000,

0.3161

0.0000

269.9045, 0.2746,
0.3170

■ 34.6921, 0.2394,
0.3034

■ 34.6921, 0.2394,
0.3034

■ 32.8098, 0.2298,
0.2979

■ 36.8344, 0.2506,
0.3088

■ 31.1650, 0.2221,
0.2922

■ 39.2495, 0.2632,
0.3139

■ 29.7374, 0.2163,
0.2866

■ 41.9540, 0.2770,
0.3188

■ 28.5012, 0.2123,
0.2810

■ 44.9617, 0.2915,
0.3233

■ 27.8195, 0.2105,
0.2777

■ 48.2858, 0.3066,
0.3274

■ 51.9384, 0.3219,
0.3312

■ 55.9311, 0.3372,
0.3346

■ 60.2747, 0.3524,
0.3376

■ 64.9799, 0.3671,
0.3403

Harmonies

Analogous

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



34.6921, 0.2575, 0.3423



34.6921, 0.2394, 0.3034



34.6921, 0.2394, 0.2753

Triad

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



34.6921, 0.2394, 0.3034



34.6921, 0.3316, 0.2850



34.6921, 0.3683, 0.3988

Complementary

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



34.6921, 0.2394, 0.3034



20.7543, 0.4559, 0.3512

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.



34.6921, 0.3911, 0.3775



34.6921, 0.2394, 0.3034



34.6921, 0.3697, 0.3132

Square

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



34.6921, 0.2394, 0.3034



34.6921, 0.2903, 0.2670



34.6921, 0.3920, 0.3462



34.6921, 0.3312, 0.4010

Rectangle

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



34.6921, 0.2394, 0.3034



34.6921, 0.2494, 0.2653



34.6921, 0.3920, 0.3462



34.6921, 0.3779, 0.3934

Sweetspot

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



34.6934, 0.2394, 0.3034



79.2396, 0.2882, 0.3223



38.4728, 0.2961, 0.4752



17.2005, 0.2852, 0.3214



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.



34.6934, 0.2394, 0.3034



58.1092, 0.2281, 0.2967



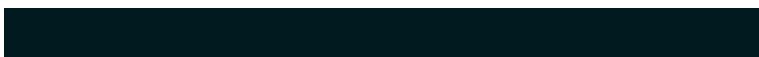
19.3362, 0.2219, 0.2179



10.5447, 0.2985, 0.3253



19.2507, 0.2107, 0.2783



0.8244, 0.2144, 0.2917

Inverse Universe

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



20.1688, 0.3385, 0.2189



30.4086, 0.3457, 0.2003



33.5913, 0.4144, 0.4174



9.6696, 0.3161, 0.3099



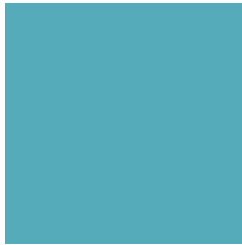
8.9731, 0.3650, 0.1784



0.3586, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 34.6921, 0.2394, 0.3034 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 34.6921, 0.2394, 0.3034 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 34.6921, 0.2394, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 34.6921, 0.2394, 0.3034.



This preview shows how white text looks on a background with the Yxy color 34.6921, 0.2394, 0.3034.

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

34.6921, 0.2394, 0.3034

Protanopia

34.2969, 0.2926, 0.2986

Deuteranopia

34.4734, 0.2846, 0.2785



Tritanopia

34.5599, 0.2400, 0.3065

Trichromacy



Original Color

34.6921, 0.2394, 0.3034

Protanomaly

33.9227, 0.2695, 0.3001

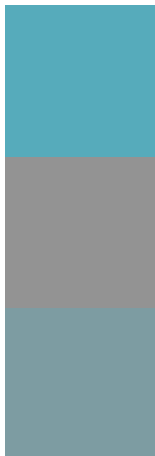
Deuteranomaly

34.1130, 0.2645, 0.2859

Tritanomaly

34.6023, 0.2395, 0.3049

Monochromacy



Original Color

34.6921, 0.2394, 0.3034

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7455, 0.2790, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6921, 0.2394, 0.3034 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(86, 171, 187)` looks like.

```
.text, #text, p{  
    color:rgb(86, 171, 187)  
}
```

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(86, 171, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 171, 187) }
```

Border

The CSS property to change the border of an element to Yxy 34.6921, 0.2394, 0.3034 is called "border". The border property can be set on classes, ids or directly on the HTML element.

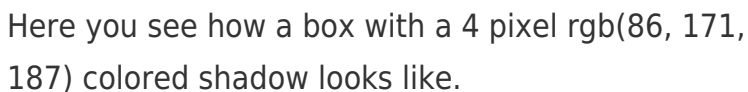
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 171, 187) }
```

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

```
.border{ border-color:rgb(86, 171, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 171, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 171, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 171, 187);  
box-shadow:4px 4px 4px 4px rgb(86, 171,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6921, 0.2394, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 171, 187) }
```

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

```
.background{ background-color: rgb(86, 171,  
187) }
```

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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