

Converting Colors

$Y_{xy}(34.4346, 0.2541, 0.2917)$

Have a look what the booklet for
Yxy(34.4346, 0.2541, 0.2917)
contains.

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Color

Yxy(34.3410, 0.2537, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	74A5BE
RGB	116, 165, 190
RGB Percent	45%, 65%, 75%
CMY	0.5452, 0.3529, 0.2549
CMYK	0.39, 0.13, 0.00, 0.25
HSL	200°, 36%, 60%
HSV	200°, 39%, 75%
XYZ	29.9495, 34.3410, 53.7604
YIQ	153.1990, -37.2290, -2.6130

Conversions

Conversions Part 2

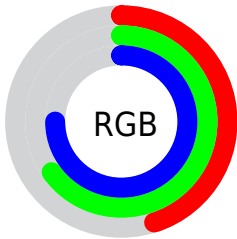
Format	Color
RYB	116, 145, 190
Decimal	7644606
CIELab	65.23, -9.90, -18.02
CIElCh	65, 20.559, 241.220
Yxy	34.3410, 0.2537, 0.2909
Android (android.graphics.Color)	4285834686 (0xFF74A5BE)
YUV	153.1990, 18.1429, -32.6235
Hunter-Lab	58.6012, -11.3255, -13.3714

Details

The Yxy color $34.3410, 0.2537, 0.2909$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $31.2484, 0.3946, 0.3637$, and the grayscale version is $31.8773, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.4981, 0.2653, 0.2990$, and $14.6732, 0.2354, 0.2769$ is the 20% darker color. If you saturate the color by 10%, you get $30.9145, 0.2397, 0.2792$, and if you desaturate by 10%, it is $38.1525, 0.2685, 0.3019$.

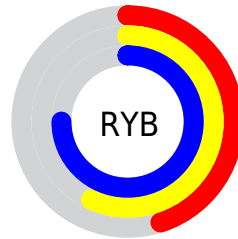
Distribution



Red (45%)

Green (65%)

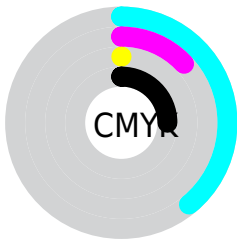
Blue (75%)



Red (45%)

Yellow (57%)

Blue (75%)

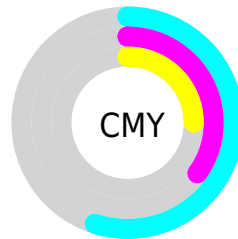


Cyan (39%)

Magenta (13%)

Yellow (0%)

Black (25%)



Cyan (55%)


Magenta (35%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3410, 0.2537, 0.2909 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 34.3410, 0.2537, 0.2909 by changing the saturation by 10% instead.


 34.3410, 0.2537,
0.2909


 34.3410, 0.2537,
0.2909


321.6499, 0.2840,
0.3112


 23.1557, 0.2459,
0.2854


 66.4636, 0.2649,
0.2986

 14.7085, 0.2358,
0.2782


 88.1697, 0.2691,
0.3014

 8.6151, 0.2221,
0.2682


 114.1515, 0.2726,
0.3037

 4.4910, 0.2029,
0.2535

144.7934, 0.2755,
0.3057

 1.9518, 0.1740,
0.2302

180.4798, 0.2781,
0.3073

 0.5793, 0.0994,
0.1864

221.5951, 0.2803,

 0.0000, 0.0000,

0.3088

0.0000

268.5236, 0.2823,
0.3101

■ 34.3410, 0.2537,
0.2909

■ 34.3410, 0.2537,
0.2909

■ 30.9145, 0.2397,
0.2792

■ 38.1525, 0.2685,
0.3019

■ 27.8510, 0.2270,
0.2668

■ 42.3615, 0.2837,
0.3121

■ 25.1319, 0.2157,
0.2541

■ 46.9850, 0.2991,
0.3214

■ 22.7349, 0.2064,
0.2412

■ 52.0374, 0.3143,
0.3298

■ 20.6340, 0.1990,
0.2283

■ 57.5323, 0.3292,
0.3374

■ 18.7854, 0.1935,
0.2157

■ 63.4829, 0.3436,
0.3441

■ 18.6003, 0.1929,
0.2144

■ 69.9016, 0.3574,
0.3500

■ 74.2546, 0.3605,
0.3561

■ 77.6124, 0.3589,
0.3625

Harmonies

Analogous

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



34.3410, 0.2568, 0.3153



34.3410, 0.2537, 0.2909



34.3410, 0.2653, 0.2781

Triad

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



34.3410, 0.2537, 0.2909



34.3410, 0.3517, 0.3119



34.3410, 0.3339, 0.3854

Complementary

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



34.3410, 0.2537, 0.2909



31.2484, 0.3946, 0.3637

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.



34.3410, 0.3610, 0.3812



34.3410, 0.2537, 0.2909



34.3410, 0.3720, 0.3379

Square

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



34.3410, 0.2537, 0.2909



34.3410, 0.3211, 0.2906



34.3410, 0.3753, 0.3631



34.3410, 0.3021, 0.3724

Rectangle

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



34.3410, 0.2537, 0.2909



34.3410, 0.2803, 0.2768



34.3410, 0.3753, 0.3631



34.3410, 0.3439, 0.3859

Sweetspot

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



34.3423, 0.2537, 0.2909



82.3503, 0.2941, 0.3185



42.4487, 0.2909, 0.4062



17.8377, 0.2921, 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.



34.3423, 0.2537, 0.2909



56.7308, 0.2414, 0.2806



22.9517, 0.2448, 0.2317



10.2521, 0.2985, 0.3211



12.5189, 0.1934, 0.2161



0.6067, 0.2018, 0.2463

Inverse Universe

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



26.1508, 0.3452, 0.2635



40.6551, 0.3555, 0.2491



43.9119, 0.3760, 0.4103



9.6400, 0.3188, 0.3139



8.2935, 0.4275, 0.2129



0.3366, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 34.3410, 0.2537, 0.2909 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 34.3410, 0.2537, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

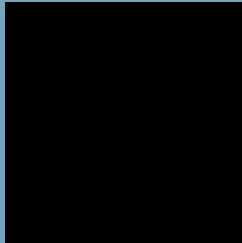
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

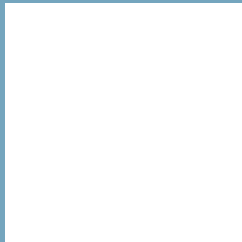
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3410, 0.2537, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 34.3410, 0.2537, 0.2909.



This preview shows how white text looks on a background with the Yxy color 34.3410, 0.2537, 0.2909.

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

34.3410, 0.2537, 0.2909

Protanopia

33.9130, 0.2849, 0.2885

Deuteranopia

33.9849, 0.2819, 0.2755



Tritanopia

34.4434, 0.2586, 0.3086

Trichromacy



Original Color

34.3410, 0.2537, 0.2909

Protanomaly

33.8304, 0.2726, 0.2890

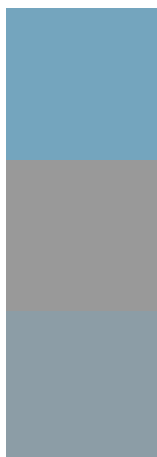
Deuteranomaly

33.8780, 0.2704, 0.2809

Tritanomaly

34.3105, 0.2565, 0.3011

Monochromacy



Original Color

34.3410, 0.2537, 0.2909

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4426, 0.2890, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3410, 0.2537, 0.2909 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(116, 165, 190)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 165, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 165, 190) }
```

Border

The CSS property to change the border of an element to Yxy 34.3410, 0.2537, 0.2909 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(116, 165, 190) }
```

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

```
.border{ border-color:rgb(116, 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(116, 165, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 165, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 165, 190);  
box-shadow:4px 4px 4px 4px rgb(116, 165,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3410, 0.2537, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 165, 190) }
```

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

```
.background{ background-color: rgb(116,  
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](#).

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