

Converting Colors

$Y_{xy}(31.5194, 0.2358, 0.2761)$

Have a look what the booklet for
Yxy(31.5194, 0.2358, 0.2761)
contains.

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Color

Yxy(31.3638, 0.2356, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	5DA0C2
RGB	93, 160, 194
RGB Percent	36%, 63%, 76%
CMY	0.6349, 0.3726, 0.2391
CMYK	0.52, 0.18, 0.00, 0.24
HSL	200°, 45%, 56%
HSV	200°, 52%, 76%
XYZ	26.8312, 31.3638, 55.6895
YIQ	143.8430, -50.8460, -3.6300

Conversions

Conversions Part 2

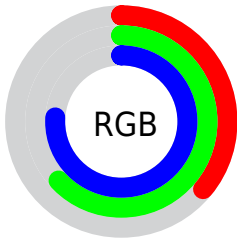
Format	Color
RYB	93, 133, 194
Decimal	6136002
CIELab	62.81, -11.72, -24.06
CIElCh	63, 26.760, 244.035
Yxy	31.3638, 0.2356, 0.2754
Android (android.graphics.Color)	4284326082 (0xFF5DA0C2)
YUV	143.8430, 24.7274, -44.5893
Hunter-Lab	56.0034, -12.4867, -19.7553

Details

The Yxy color **31.3638, 0.2356, 0.2754** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **27.4763, 0.4343, 0.3747**, and the grayscale version is **27.7469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9555, 0.2500, 0.2863**, and **13.1220, 0.2125, 0.2590** is the 20% darker color. If you saturate the color by 10%, you get **28.2676, 0.2233, 0.2629**, and if you desaturate by 10%, it is **34.8386, 0.2492, 0.2874**.

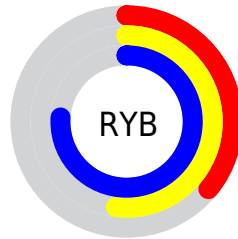
Distribution



Red (36%)

Green (63%)

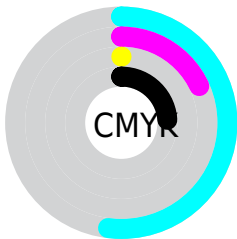
Blue (76%)



Red (36%)

Yellow (52%)

Blue (76%)

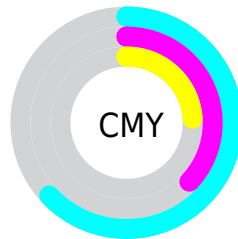


Cyan (52%)

Magenta (18%)

Yellow (0%)

Black (24%)



Cyan (63%)

Magenta (37%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3638, 0.2356, 0.2754 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 31.3638, 0.2356, 0.2754 by changing the saturation by 10% instead.

■ 31.3638, 0.2356,
0.2754

■ 31.3638, 0.2356,
0.2754

■ 308.2109, 0.2754,
0.3042

■ 20.8760, 0.2254,
0.2676

■ 61.8124, 0.2503,
0.2863

■ 13.0334, 0.2122,
0.2573

■ 82.5420, 0.2558,
0.2903

■ 7.4516, 0.1945,
0.2430

■ 107.4543, 0.2603,
0.2936

■ 3.7461, 0.1699,
0.2222

■ 136.9338, 0.2642,
0.2964

■ 1.5326, 0.1341,
0.1899

■ 171.3648, 0.2676,
0.2988

■ 0.3115, 0.0036,
0.1122

■ 211.1317, 0.2706,

■ 0.0000, 0.0000,

0.3008

0.0000

256.6189, 0.2731,
0.3026

■ 31.3638, 0.2356,
0.2754

■ 31.3638, 0.2356,
0.2754

■ 28.2676, 0.2233,
0.2629

■ 34.8386, 0.2492,
0.2874

■ 25.5249, 0.2126,
0.2501

■ 38.7081, 0.2638,
0.2986

■ 23.1123, 0.2038,
0.2372

■ 42.9913, 0.2790,
0.3091

■ 21.0008, 0.1971,
0.2244

■ 47.7048, 0.2943,
0.3187

■ 19.4892, 0.1929,
0.2144

■ 52.8642, 0.3097,
0.3274

■ 58.4842, 0.3247,
0.3352

■ 64.5786, 0.3393,
0.3421

■ 71.1608, 0.3533,
0.3483

■ 75.7517, 0.3570,
0.3545

Harmonies

Analogous

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



31.3638, 0.2377, 0.3062



31.3638, 0.2356, 0.2754



31.3638, 0.2522, 0.2610

Triad

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



31.3638, 0.2356, 0.2754



31.3638, 0.3684, 0.3089



31.3638, 0.3364, 0.4051

Complementary

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



31.3638, 0.2356, 0.2754



27.4763, 0.4343, 0.3747

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.



31.3638, 0.3739, 0.4000



31.3638, 0.2356, 0.2754



31.3638, 0.3940, 0.3429

Square

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



31.3638, 0.2356, 0.2754



31.3638, 0.3276, 0.2807



31.3638, 0.3957, 0.3761



31.3638, 0.2940, 0.3856

Rectangle

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



31.3638, 0.2356, 0.2754



31.3638, 0.2726, 0.2609



31.3638, 0.3957, 0.3761



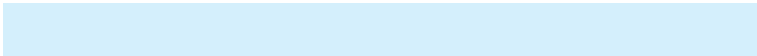
31.3638, 0.3500, 0.4061

Sweetspot

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



31.3650, 0.2356, 0.2754



82.6954, 0.2878, 0.3147



42.4500, 0.2854, 0.4385



17.7178, 0.2846, 0.3127



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.3650, 0.2356, 0.2754



50.6950, 0.2222, 0.2617



17.3621, 0.2190, 0.1917



10.8377, 0.2984, 0.3211



12.9672, 0.1934, 0.2160



0.6834, 0.2012, 0.2442

Inverse Universe

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



21.8552, 0.3608, 0.2425



33.2874, 0.3755, 0.2278



43.7869, 0.3979, 0.4357



10.1879, 0.3188, 0.3139



8.5913, 0.4275, 0.2129



0.3836, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 31.3638, 0.2356, 0.2754 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 31.3638, 0.2356, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

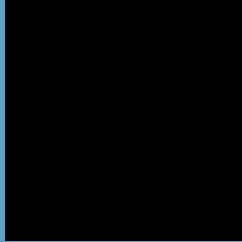
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3638, 0.2356, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 31.3638, 0.2356, 0.2754.

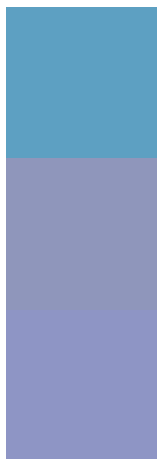


This preview shows how white text looks on a background with the Yxy color 31.3638, 0.2356, 0.2754.

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

31.3638, 0.2356, 0.2754

Protanopia

31.2402, 0.2741, 0.2744

Deuteranopia

31.2769, 0.2655, 0.2597



Tritanopia

31.3552, 0.2437, 0.3073

Trichromacy



Original Color

31.3638, 0.2356, 0.2754

Protanomaly

31.1889, 0.2578, 0.2743

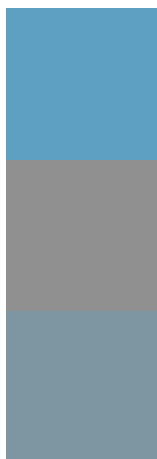
Deuteranomaly

31.0531, 0.2528, 0.2646

Tritanomaly

31.3834, 0.2403, 0.2947

Monochromacy



Original Color

31.3638, 0.2356, 0.2754

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.7813, 0.2782, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3638, 0.2356, 0.2754 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(93, 160, 194)` looks like.

```
.text, #text, p{  
    color:rgb(93, 160, 194)  
}
```

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(93, 160, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 160, 194) }
```

Border

The CSS property to change the border of an element to Yxy 31.3638, 0.2356, 0.2754 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(93, 160, 194) }
```

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

```
.border{ border-color:rgb(93, 160, 194) }
```

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

Here you see how a box with a 4 pixel rgb(93, 160, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 160, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 160, 194);  
box-shadow:4px 4px 4px 4px rgb(93, 160,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3638, 0.2356, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 160, 194) }
```

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

```
.background{ background-color: rgb(93, 160,  
194) }
```

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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