

Converting Colors

$Yxy(18.4767, 0.2225, 0.2681)$

Have a look what the booklet for
Yxy(18.4767, 0.2225, 0.2681)
contains.

Yxy(18.4596, 0.2226, 0.2679)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4596, 0.2226, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	377F9E
RGB	55, 127, 158
RGB Percent	22%, 50%, 62%
CMY	0.7842, 0.5020, 0.3803
CMYK	0.65, 0.20, 0.00, 0.38
HSL	198°, 48%, 42%
HSV	198°, 65%, 62%
XYZ	15.3382, 18.4596, 35.1070
YIQ	109.0060, -52.8630, -5.6230

Conversions

Conversions Part 2

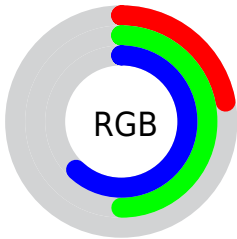
Format	Color
RYB	55, 97, 158
Decimal	3637150
CIELab	50.05, -12.48, -23.27
CIElCh	50, 26.400, 241.798
Yxy	18.4596, 0.2226, 0.2679
Android (android.graphics.Color)	4281827230 (0xFF377F9E)
YUV	109.0060, 24.1540, -47.3633
Hunter-Lab	42.9646, -11.4643, -18.3714

Details

The Yxy color **18.4596, 0.2226, 0.2679** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **14.2090, 0.4803, 0.3765**, and the grayscale version is **15.2387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9573, 0.2422, 0.2823**, and **6.5103, 0.2009, 0.2432** is the 20% darker color. If you saturate the color by 10%, you get **16.8827, 0.2130, 0.2567**, and if you desaturate by 10%, it is **20.2388, 0.2339, 0.2788**.

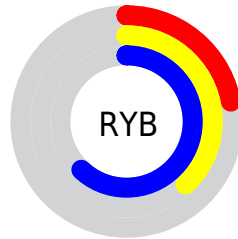
Distribution



Red (22%)

Green (50%)

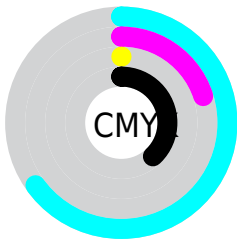
Blue (62%)



Red (22%)

Yellow (38%)

Blue (62%)

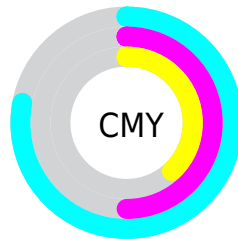


Cyan (65%)

Magenta (20%)

Yellow (0%)

Black (38%)



Cyan (78%)

Magenta (50%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4596, 0.2226, 0.2679 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 18.4596, 0.2226, 0.2679 by changing the saturation by 10% instead.

■ 18.4596, 0.2226,
0.2679

■ 18.4596, 0.2226,
0.2679

■ 243.4490, 0.2727,
0.3035

■ 11.2805, 0.2084,
0.2570

■ 40.8189, 0.2421,
0.2822

■ 6.2558, 0.1891,
0.2418

■ 56.7679, 0.2490,
0.2872

■ 3.0012, 0.1619,
0.2190

■ 76.4089, 0.2547,
0.2912

■ 1.1324, 0.1215,
0.1827

■ 100.1265, 0.2595,
0.2945

■ 0.0054, 0.0000,
0.0030

■ 128.3048, 0.2635,
0.2973

■ 0.0000, 0.0000,
0.0000

161.3284, 0.2670,

0.2997

199.5817, 0.2701,
0.3017

■ 18.4596, 0.2226,
0.2679

■ 18.4596, 0.2226,
0.2679

■ 16.8827, 0.2130,
0.2567

■ 20.2388, 0.2339,
0.2788

■ 15.4911, 0.2053,
0.2455

■ 22.2314, 0.2466,
0.2894

■ 14.2665, 0.1995,
0.2344

■ 24.4498, 0.2604,
0.2994

■ 13.7127, 0.1970,
0.2290

■ 26.9048, 0.2749,
0.3087

■ 29.6063, 0.2899,
0.3174

■ 32.5637, 0.3049,
0.3252

■ 35.7856, 0.3199,
0.3323

■ 39.2804, 0.3346,
0.3387

■ 43.0559, 0.3488,
0.3444

Harmonies

Analogous

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



18.4596, 0.2264, 0.3047



18.4596, 0.2226, 0.2679



18.4596, 0.2401, 0.2504

Triad

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



18.4596, 0.2226, 0.2679



18.4596, 0.3752, 0.3025



18.4596, 0.3434, 0.4199

Complementary

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



18.4596, 0.2226, 0.2679



14.2090, 0.4803, 0.3765

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.



18.4596, 0.3868, 0.4105



18.4596, 0.2226, 0.2679



18.4596, 0.4073, 0.3413

Square

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



18.4596, 0.2226, 0.2679



18.4596, 0.3260, 0.2710



18.4596, 0.4111, 0.3803



18.4596, 0.2938, 0.3992

Rectangle

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



18.4596, 0.2226, 0.2679



18.4596, 0.2626, 0.2496



18.4596, 0.4111, 0.3803



18.4596, 0.3592, 0.4198

Sweetspot

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



18.4603, 0.2226, 0.2679



51.1403, 0.2820, 0.3129



25.9412, 0.2846, 0.4768



11.2408, 0.2781, 0.3106



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.4603, 0.2226, 0.2679



29.5152, 0.2094, 0.2518



8.3997, 0.1977, 0.1611



7.1719, 0.2988, 0.3221



11.0521, 0.1972, 0.2299



0.2677, 0.2095, 0.2742

Inverse Universe

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



11.5378, 0.3703, 0.2213



17.5810, 0.3881, 0.2084



25.5559, 0.4201, 0.4511



6.7205, 0.3181, 0.3135



6.7379, 0.4127, 0.2047



0.1276, 0.3689, 0.1806

Previews

White Background



This preview shows how the Yxy color 18.4596, 0.2226, 0.2679 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4596, 0.2226, 0.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

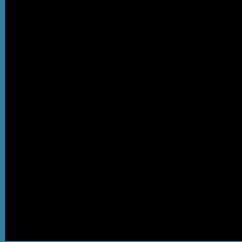
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4596, 0.2226, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 18.4596, 0.2226, 0.2679.



This preview shows how white text looks on a background with the Yxy color 18.4596, 0.2226, 0.2679.

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

18.4596, 0.2226, 0.2679

Protanopia

18.2719, 0.2683, 0.2668

Deuteranopia

18.3248, 0.2562, 0.2518



Tritanopia

18.4692, 0.2304, 0.3057

Trichromacy



Original Color

18.4596, 0.2226, 0.2679

Protanomaly

18.1815, 0.2474, 0.2664

Deuteranomaly

18.2042, 0.2410, 0.2577

Tritanomaly

18.4601, 0.2274, 0.2918

Monochromacy



Original Color

18.4596, 0.2226, 0.2679

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.1469, 0.2689, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4596, 0.2226, 0.2679 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(55, 127, 158)` looks like.

```
.text, #text, p{  
  color:rgb(55, 127, 158)  
}
```

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(55, 127, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 127, 158) }
```

Border

The CSS property to change the border of an element to Yxy 18.4596, 0.2226, 0.2679 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(55, 127, 158) }
```

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

```
.border{ border-color:rgb(55, 127, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 127, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 127, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 127, 158);  
box-shadow:4px 4px 4px 4px rgb(55, 127,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4596, 0.2226, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 127, 158) }
```

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

```
.background{ background-color: rgb(55, 127,  
158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor