

Converting Colors

$Yxy(10.9367, 0.2029, 0.1944)$

Have a look what the booklet for
Yxy(10.9367, 0.2029, 0.1944)
contains.

Yxy(11.0011, 0.2033, 0.1953)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(11.0011, 0.2033, 0.1953)$

Conversions

Conversions Part 1

Format	Color
Hex	335D9E
RGB	51, 93, 158
RGB Percent	20%, 36%, 62%
CMY	0.8001, 0.6353, 0.3803
CMYK	0.68, 0.41, 0.00, 0.38
HSL	216°, 51%, 41%
HSV	216°, 68%, 62%
XYZ	11.4517, 11.0011, 33.8764
YIQ	87.8520, -45.8970, 11.3110

Conversions

Conversions Part 2

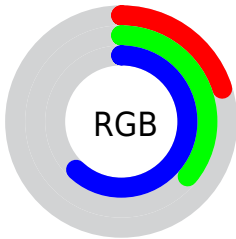
Format	Color
R _Y B	51, 81, 158
Decimal	3366302
CIE Lab	39.58, 7.37, -39.69
CIE LCh	40, 40.369, 280.525
Yxy	11.0011, 0.2033, 0.1953
Android (android.graphics.Color)	4281556382 (0xFF335D9E)
YUV	87.8520, 34.5830, -32.3192
Hunter-Lab	33.1679, 3.5861, -37.3390




Details

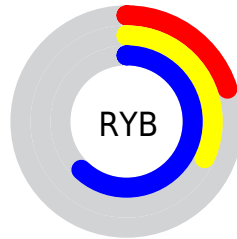
The Yxy color **11.0011, 0.2033, 0.1953** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.0023, 0.4472, 0.4271**, and the grayscale version is **9.6553, 0.3127, 0.3290**.




A 20% lighter version of the original color is **27.7002, 0.2294, 0.2258**, and **3.1545, 0.1753, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **9.0779, 0.1898, 0.1724**, and if you desaturate by 10%, it is **13.2761, 0.2186, 0.2184**.

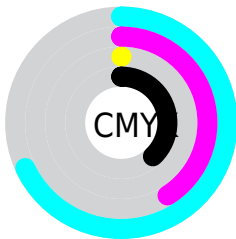
Distribution







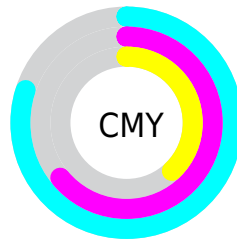
-  Red (20%)
-  Green (36%)
-  Blue (62%)






-  Red (20%)
-  Yellow (32%)
-  Blue (62%)



-  Cyan (68%)
-  Magenta (41%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (80%)
-  Magenta (64%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.0011, 0.2033, 0.1953 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 11.0011, 0.2033, 0.1953 by changing the saturation by 10% instead.

■ 11.0011, 0.2033,
0.1953

■ 11.0011, 0.2033,
0.1953

■ 197.6751, 0.2678,
0.2721

■ 6.0676, 0.1839,
0.1732

■ 27.6622, 0.2292,
0.2255

■ 2.8862, 0.1573,
0.1437

■ 40.1586, 0.2382,
0.2362

■ 1.0726, 0.1200,
0.1039

■ 55.9447, 0.2455,
0.2449

■ 0.0000, 0.0328,
0.0000

■ 75.4049, 0.2516,
0.2522

■ 0.0000, 0.0000,
0.0000

■ 98.9237, 0.2566,
0.2583

126.8854, 0.2609,

0.2636

159.6744, 0.2646,
0.2681

■ 11.0011, 0.2033,
0.1953

■ 11.0011, 0.2033,
0.1953

■ 9.0779, 0.1898,
0.1724

■ 13.2761, 0.2186,
0.2184

■ 7.4827, 0.1788,
0.1506

■ 15.9219, 0.2350,
0.2410

■ 6.1820, 0.1702,
0.1305

■ 18.9573, 0.2519,
0.2626

■ 5.9175, 0.1684,
0.1262

■ 22.3993, 0.2688,
0.2826

■ 26.2636, 0.2853,
0.3009

■ 30.5652, 0.3011,
0.3174

■ 35.3182, 0.3160,
0.3322

■ 40.5362, 0.3299,
0.3453

■ 46.2319, 0.3428,
0.3568

Harmonies

Analogous

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



11.0011, 0.1676, 0.2097



11.0011, 0.2033, 0.1953



11.0011, 0.2702, 0.2082

Triad

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



11.0011, 0.2033, 0.1953



11.0011, 0.4905, 0.3595



11.0011, 0.2506, 0.4430

Complementary

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



11.0011, 0.2033, 0.1953



20.0023, 0.4472, 0.4271

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.



11.0011, 0.3334, 0.4967



11.0011, 0.2033, 0.1953



11.0011, 0.4748, 0.4240

Square

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



11.0011, 0.2033, 0.1953



11.0011, 0.4478, 0.2975



11.0011, 0.4152, 0.4798



11.0011, 0.1896, 0.3434

Rectangle

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



11.0011, 0.2033, 0.1953



11.0011, 0.3295, 0.2299



11.0011, 0.4152, 0.4798



11.0011, 0.2769, 0.4688

Sweetspot

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



11.0015, 0.2033, 0.1953



45.7413, 0.2810, 0.2962



26.4066, 0.2626, 0.4152



9.8887, 0.2766, 0.2914



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.



11.0015, 0.2033, 0.1953



15.0052, 0.1841, 0.1616



5.8499, 0.1936, 0.1214



6.8411, 0.2988, 0.3151



4.8106, 0.1688, 0.1277



0.1657, 0.1904, 0.2055

Inverse Universe

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



10.4279, 0.4410, 0.2664



15.6860, 0.4861, 0.2640



30.9318, 0.3916, 0.4861



6.6871, 0.3226, 0.3203



6.1078, 0.5358, 0.2725



0.1173, 0.4391, 0.2193

Previews

White Background



This preview shows how the Yxy color 11.0011, 0.2033, 0.1953 looks on a white 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

Black Background



This preview shows how the Yxy color 11.0011, 0.2033, 0.1953 looks on a black 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

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

Yxy 11.0011, 0.2033, 0.1953

Background



This preview shows how black text looks on a background with the Yxy color 11.0011, 0.2033, 0.1953.



This preview shows how white text looks on a background with the Yxy color 11.0011, 0.2033, 0.1953.

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

11.0011, 0.2033, 0.1953

Protanopia

11.0407, 0.2142, 0.1972

Deuteranopia

11.0549, 0.2009, 0.1966



Tritanopia

10.9416, 0.2221, 0.3075

Trichromacy



Original Color

11.0011, 0.2033, 0.1953

Protanomaly

11.0807, 0.2101, 0.1967

Deuteranomaly

11.1024, 0.2021, 0.1969

Tritanomaly

10.7152, 0.2120, 0.2579

Monochromacy



Original Color

11.0011, 0.2033, 0.1953

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.0004, 0.2607, 0.2733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0011, 0.2033, 0.1953 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(51, 93, 158)` looks like.

```
.text, #text, p{  
    color:rgb(51, 93, 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(51, 93, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 93, 158) }
```

Border

The CSS property to change the border of an element to Yxy 11.0011, 0.2033, 0.1953 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(51, 93, 158) }
```

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

```
.border{ border-color:rgb(51, 93, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 93, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 93, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 93, 158);  
box-shadow:4px 4px 4px 4px rgb(51, 93,  
158) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 11.0011, 0.2033, 0.1953$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 93, 158) }
```

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

```
.background{ background-color: rgb(51, 93,  
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