

Converting Colors

$Y_{xy}(19.3732, 0.2130, 0.2034)$

Have a look what the booklet for
Yxy(19.3732, 0.2130, 0.2034)
contains.

Yxy(19.4553, 0.2132, 0.2042)	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

Yxy(19.4553, 0.2132, 0.2042)

Conversions

Conversions Part 1

Format	Color
Hex	5179C5
RGB	81, 121, 197
RGB Percent	32%, 47%, 77%
CMY	0.6821, 0.5255, 0.2275
CMYK	0.59, 0.39, 0.00, 0.23
HSL	219°, 50%, 55%
HSV	219°, 59%, 77%
XYZ	20.3128, 19.4553, 55.5076
YIQ	117.7040, -48.2360, 15.1560

Conversions

Conversions Part 2

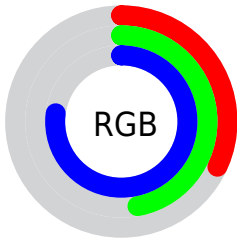
Format	Color
R _Y B	81, 111, 197
Decimal	5339589
CIE Lab	51.22, 9.21, -43.88
CIE LCh	51, 44.838, 281.859
Yxy	19.4553, 0.2132, 0.2042
Android (android.graphics.Color)	4283529669 (0xFF5179C5)
YUV	117.7040, 39.0929, -32.1894
Hunter-Lab	44.1082, 5.0139, -43.7374

Details

The Yxy color **19.4553, 0.2132, 0.2042** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **36.6065, 0.4248, 0.4250**, and the grayscale version is **17.9113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5319, 0.2341, 0.2290**, and **6.7483, 0.1791, 0.1646** is the 20% darker color. If you saturate the color by 10%, you get **15.7758, 0.1974, 0.1790**, and if you desaturate by 10%, it is **23.8090, 0.2303, 0.2292**.

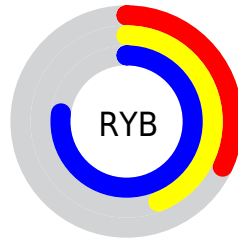
Distribution



Red (32%)

Green (47%)

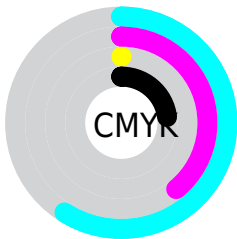
Blue (77%)



Red (32%)

Yellow (44%)

Blue (77%)

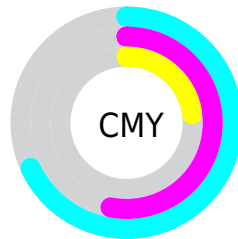


Cyan (59%)

Magenta (39%)

Yellow (0%)

Black (23%)



Cyan (68%)

Magenta (53%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4553, 0.2132, 0.2042 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 19.4553, 0.2132, 0.2042 by changing the saturation by 10% instead.

■ 19.4553, 0.2132,
0.2042

■ 19.4553, 0.2132,
0.2042

248.9509, 0.2677,
0.2704

■ 11.9997, 0.1985,
0.1871

■ 42.5020, 0.2339,
0.2289

■ 6.7435, 0.1793,
0.1652

■ 58.8620, 0.2414,
0.2380

■ 3.3022, 0.1535,
0.1366

■ 78.9589, 0.2477,
0.2456

■ 1.2915, 0.1183,
0.0992

■ 103.1771, 0.2530,
0.2521

■ 0.1346, 0.0598,
0.0228

131.9010, 0.2575,
0.2577

■ 0.0000, 0.0000,
0.0000

165.5150, 0.2613,

0.2625

204.4035, 0.2647,
0.2667

■ 19.4553, 0.2132,
0.2042

■ 19.4553, 0.2132,
0.2042

■ 15.7758, 0.1974,
0.1790

■ 23.8090, 0.2303,
0.2292

■ 12.7293, 0.1837,
0.1546

■ 28.8703, 0.2481,
0.2531

■ 10.2724, 0.1728,
0.1320

■ 34.6727, 0.2657,
0.2755

■ 8.3421, 0.1647,
0.1121

■ 41.2466, 0.2829,
0.2959

■ 8.1457, 0.1639,
0.1100

■ 48.6207, 0.2992,
0.3144

■ 56.8221, 0.3144,
0.3308

■ 65.8765, 0.3285,
0.3453

■ 75.8087, 0.3415,
0.3580

■ 85.9972, 0.3508,
0.3694

Harmonies

Analogous

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



19.4553, 0.1780, 0.2172



19.4553, 0.2132, 0.2042



19.4553, 0.2773, 0.2172

Triad

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



19.4553, 0.2132, 0.2042



19.4553, 0.4772, 0.3619



19.4553, 0.2531, 0.4291

Complementary

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



19.4553, 0.2132, 0.2042



36.6065, 0.4248, 0.4250

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.



19.4553, 0.3298, 0.4812



19.4553, 0.2132, 0.2042



19.4553, 0.4619, 0.4220

Square

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



19.4553, 0.2132, 0.2042



19.4553, 0.4397, 0.3030



19.4553, 0.4062, 0.4708



19.4553, 0.1968, 0.3389

Rectangle

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



19.4553, 0.2132, 0.2042



19.4553, 0.3325, 0.2384



19.4553, 0.4062, 0.4708



19.4553, 0.2773, 0.4531

Sweetspot

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



19.4560, 0.2132, 0.2042



74.5892, 0.2838, 0.2970



44.0997, 0.2623, 0.3934



15.1840, 0.2789, 0.2912



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.



19.4560, 0.2132, 0.2042



26.3651, 0.1927, 0.1710



12.5488, 0.2132, 0.1477



10.8747, 0.2983, 0.3134



5.4990, 0.1646, 0.1124



0.3957, 0.1766, 0.1556

Inverse Universe

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



19.1458, 0.4277, 0.2783



27.9368, 0.4705, 0.2730



50.1843, 0.3801, 0.4746



10.6962, 0.3236, 0.3211



8.0951, 0.5576, 0.2845



0.3970, 0.4987, 0.2521

Previews

White Background



This preview shows how the Yxy color 19.4553, 0.2132, 0.2042 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 19.4553, 0.2132, 0.2042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

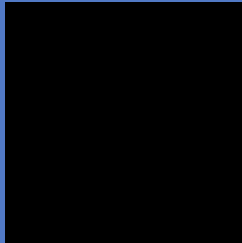
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4553, 0.2132, 0.2042

Background



This preview shows how black text looks on a background with the Yxy color 19.4553, 0.2132, 0.2042.



This preview shows how white text looks on a background with the Yxy color 19.4553, 0.2132, 0.2042.

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

19.4553, 0.2132, 0.2042

Protanopia

19.4091, 0.2206, 0.2053

Deuteranopia

19.4868, 0.2106, 0.2050



Tritanopia

19.3852, 0.2363, 0.3063

Trichromacy



Original Color

19.4553, 0.2132, 0.2042

Protanomaly

19.4932, 0.2177, 0.2050

Deuteranomaly

19.5700, 0.2118, 0.2054

Tritanomaly

19.2409, 0.2261, 0.2625

Monochromacy



Original Color

19.4553, 0.2132, 0.2042

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3035, 0.2672, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4553, 0.2132, 0.2042 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(81, 121, 197)` looks like.

```
.text, #text, p{  
    color:rgb(81, 121, 197)  
}
```

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(81, 121, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 121, 197) }
```

Border

The CSS property to change the border of an element to Yxy 19.4553, 0.2132, 0.2042 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(81, 121, 197) }
```

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

```
.border{ border-color:rgb(81, 121, 197) }
```

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

Here you see how a box with a 4 pixel rgb(81, 121, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 121, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 121, 197);  
box-shadow:4px 4px 4px 4px rgb(81, 121,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4553, 0.2132, 0.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 121, 197) }
```

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

```
.background{ background-color: rgb(81, 121,  
197) }
```

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