

Converting Colors

$Y_{xy}(17.9002, 0.1954, 0.1385)$

Have a look what the booklet for
Yxy(17.9002, 0.1954, 0.1385)
contains.

Yxy(17.9580, 0.1955, 0.1388)	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(17.9580, 0.1955, 0.1388)

Conversions

Conversions Part 1

Format	Color
Hex	5F64F2
RGB	95, 100, 242
RGB Percent	37%, 39%, 95%
CMY	0.6278, 0.6077, 0.0510
CMYK	0.61, 0.59, 0.00, 0.05
HSL	238°, 85%, 66%
HSV	238°, 61%, 95%
XYZ	25.2939, 17.9580, 86.1285
YIQ	114.6930, -48.5620, 43.1020

Conversions

Conversions Part 2

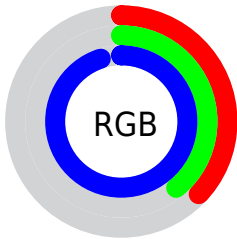
Format	Color
R _Y B	95, 100, 242
Decimal	6251762
CIE Lab	49.45, 39.52, -72.13
CIE LCh	49, 82.246, 298.717
Yxy	17.9580, 0.1955, 0.1388
Android (android.graphics.Color)	4284441842 (0xFF5F64F2)
YUV	114.6930, 62.7624, -17.2708
Hunter-Lab	42.3769, 32.3834, -90.8396

Details

The Yxy color **17.9580, 0.1955, 0.1388** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **80.1852, 0.4013, 0.4669**, and the grayscale version is **16.8613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6223, 0.2411, 0.2043**, and **6.0490, 0.1602, 0.0966** is the 20% darker color. If you saturate the color by 10%, you get **13.0014, 0.1775, 0.1087**, and if you desaturate by 10%, it is **24.6015, 0.2160, 0.1726**.

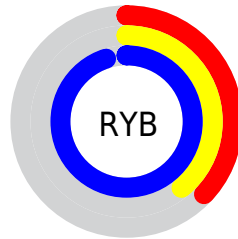
Distribution



Red (37%)

Green (39%)

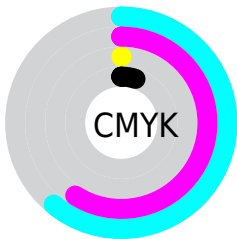
Blue (95%)



Red (37%)

Yellow (39%)

Blue (95%)

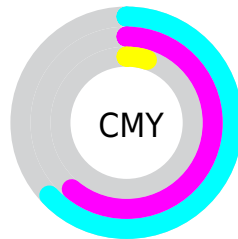


Cyan (61%)

Magenta (59%)

Yellow (0%)

Black (5%)



Cyan (63%)


Magenta (61%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9580, 0.1955, 0.1388 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 17.9580, 0.1955, 0.1388 by changing the saturation by 10% instead.


 17.9580, 0.1955,
0.1388


 17.9580, 0.1955,
0.1388


240.6342, 0.2592,
0.2296


 10.9198, 0.1794,
0.1193


 39.9657, 0.2191,
0.1698


 6.0130, 0.1592,
0.0965


 55.7041, 0.2279,
0.1821

 2.8530, 0.1337,
0.0705

 75.1114, 0.2353,
0.1928

 1.0555, 0.1017,
0.0425

 98.5718, 0.2416,
0.2021

 0.0000, 0.0648,
0.0000

126.4700, 0.2469,
0.2102

 0.0000, 0.0000,
0.0000

159.1901, 0.2516,

0.2175

197.1168, 0.2556,
0.2239

■ 17.9580, 0.1955,
0.1388

■ 17.9580, 0.1955,
0.1388

■ 13.0014, 0.1775,
0.1087

■ 24.6015, 0.2160,
0.1726

■ 9.5786, 0.1635,
0.0848

■ 33.0639, 0.2374,
0.2076

■ 7.5112, 0.1545,
0.0690


■ 43.4658, 0.2583,
0.2417

■ 6.5935, 0.1504,
0.0615

■ 55.9169, 0.2779,
0.2733

■ 70.5189, 0.2958,
0.3019

 87.3667, 0.3116,
0.3272

 99.1902, 0.3203,
0.3415

Harmonies

Analogous

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



17.9580, 0.1233, 0.1323



17.9580, 0.1955, 0.1388



17.9580, 0.3248, 0.1753

Triad

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



17.9580, 0.1955, 0.1388



17.9580, 0.5782, 0.3985



17.9580, 0.1424, 0.4211

Complementary

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



17.9580, 0.1955, 0.1388



80.1852, 0.4013, 0.4669

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.



17.9580, 0.2418, 0.6011



17.9580, 0.1955, 0.1388



17.9580, 0.4893, 0.5048

Square

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



17.9580, 0.1955, 0.1388



17.9580, 0.5917, 0.3144



17.9580, 0.3651, 0.6041



17.9580, 0.0962, 0.2456

Rectangle

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



17.9580, 0.1955, 0.1388



17.9580, 0.4351, 0.2153



17.9580, 0.3651, 0.6041



17.9580, 0.1703, 0.4920

Sweetspot

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



17.9585, 0.1955, 0.1388



67.2303, 0.2830, 0.2815



71.9025, 0.2416, 0.3379



13.4203, 0.2776, 0.2728



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.



17.9585, 0.1955, 0.1388



13.5589, 0.1737, 0.1023



22.1632, 0.2428, 0.1545



15.3171, 0.2979, 0.3054



3.5830, 0.1506, 0.0622



0.3290, 0.1522, 0.0679

Inverse Universe

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



27.9626, 0.4991, 0.3246



26.0106, 0.5577, 0.3250



73.5290, 0.3504, 0.4986



15.7678, 0.3288, 0.3282



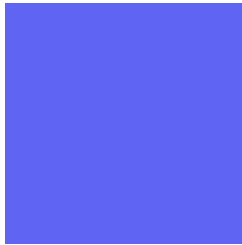
10.1551, 0.6364, 0.3279



0.8479, 0.6267, 0.3226

Previews

White Background



This preview shows how the Yxy color 17.9580, 0.1955, 0.1388 looks on a white background.

Color Contrast Check

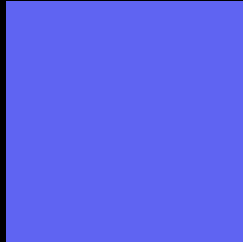
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9580, 0.1955, 0.1388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

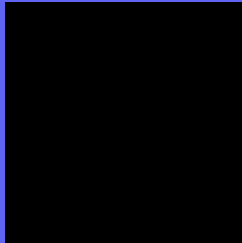
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9580, 0.1955, 0.1388

Background



This preview shows how black text looks on a background with the Yxy color 17.9580, 0.1955, 0.1388.



This preview shows how white text looks on a background with the Yxy color 17.9580, 0.1955, 0.1388.

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

17.9580, 0.1955, 0.1388

Protanopia

18.0422, 0.1739, 0.1460

Deuteranopia

17.9379, 0.1845, 0.1840



Tritanopia

17.8603, 0.2302, 0.3054

Trichromacy



Original Color

17.9580, 0.1955, 0.1388

Protanomaly

17.3737, 0.1760, 0.1403

Deuteranomaly

17.3349, 0.1826, 0.1622

Tritanomaly

17.1482, 0.2124, 0.2226

Monochromacy



Original Color

17.9580, 0.1955, 0.1388

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.9132, 0.2558, 0.2378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9580, 0.1955, 0.1388 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(95, 100, 242)` looks like.

```
.text, #text, p{  
  color:rgb(95, 100, 242)  
}
```

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(95, 100, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 100, 242) }
```

Border

The CSS property to change the border of an element to Yxy 17.9580, 0.1955, 0.1388 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(95, 100, 242) }
```

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

```
.border{ border-color:rgb(95, 100, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 100, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 100, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 100, 242);  
box-shadow:4px 4px 4px 4px rgb(95, 100,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9580, 0.1955, 0.1388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 100, 242) }
```

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

```
.background{ background-color: rgb(95, 100,  
242) }
```

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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