

Converting Colors

$Y_{xy}(23.6120, 0.1997, 0.1721)$

Have a look what the booklet for
Yxy(23.6120, 0.1997, 0.1721)
contains.

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Color

Yxy(23.5559, 0.1996, 0.1716)

Conversions

Conversions Part 1

Format	Color
Hex	577FF1
RGB	87, 127, 241
RGB Percent	34%, 50%, 95%
CMY	0.6586, 0.5020, 0.0549
CMYK	0.64, 0.47, 0.00, 0.05
HSL	224°, 85%, 64%
HSV	224°, 64%, 95%
XYZ	27.3995, 23.5559, 86.3167
YIQ	128.0360, -60.4340, 26.9740

Conversions

Conversions Part 2

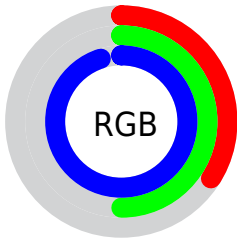
Format	Color
R _Y B	87, 119, 241
Decimal	5734385
CIE Lab	55.64, 21.50, -61.58
CIE LCh	56, 65.229, 289.247
Yxy	23.5559, 0.1996, 0.1716
Android (android.graphics.Color)	4283924465 (0xFF577FF1)
YUV	128.0360, 55.6913, -35.9886
Hunter-Lab	48.5344, 15.8348, -71.4710

Details

The Yxy color **23.5559, 0.1996, 0.1716** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **61.1879, 0.4273, 0.4440**, and the grayscale version is **21.4231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9442, 0.2413, 0.2372**, and **9.0527, 0.1709, 0.1351** is the 20% darker color. If you saturate the color by 10%, you get **18.3745, 0.1839, 0.1443**, and if you desaturate by 10%, it is **29.9423, 0.2173, 0.1999**.

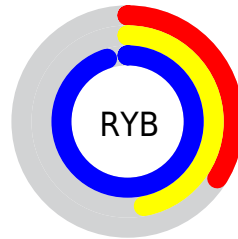
Distribution



Red (34%)

Green (50%)

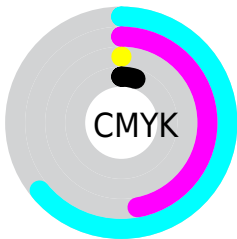
Blue (95%)



Red (34%)

Yellow (47%)

Blue (95%)

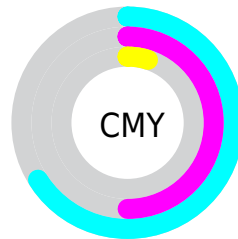


Cyan (64%)

Magenta (47%)

Yellow (0%)

Black (5%)



Cyan (66%)


Magenta (50%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5559, 0.1996, 0.1716 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 23.5559, 0.1996, 0.1716 by changing the saturation by 10% instead.


 23.5559, 0.1996,
0.1716


 23.5559, 0.1996,
0.1716


270.5675, 0.2588,
0.2486


 15.0045, 0.1849,
0.1541


 49.3045, 0.2212,
0.1985


 8.8226, 0.1666,
0.1329


 67.2705, 0.2294,
0.2090

 4.6256, 0.1433,
0.1073


 89.1436, 0.2362,
0.2180

 2.0293, 0.1136,
0.0770

 115.3080, 0.2421,
0.2258

 0.6244, 0.0770,
0.0418

146.1482, 0.2471,
0.2326

 0.0000, 0.0089,
0.0000

182.0486, 0.2515,

 0.0000, 0.0000,

0.2385

0.0000

223.3936, 0.2554,
0.2438

■ 23.5559, 0.1996,
0.1716

■ 23.5559, 0.1996,
0.1716

■ 18.3745, 0.1839,
0.1443

■ 29.9423, 0.2173,
0.1999

■ 14.3127, 0.1711,
0.1196

■ 37.6062, 0.2361,
0.2279


■ 11.2749, 0.1619,
0.0988

■ 46.6165, 0.2550,
0.2547


■ 9.8532, 0.1579,
0.0882

■ 57.0363, 0.2733,
0.2794

■ 68.9246, 0.2907,
0.3019

 82.3368, 0.3068,
0.3219

 97.1827, 0.3211,
0.3395

 99.1305, 0.3209,
0.3425

Harmonies

Analogous

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



23.5559, 0.1489, 0.1768



23.5559, 0.1996, 0.1716



23.5559, 0.2891, 0.1949

Triad

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



23.5559, 0.1996, 0.1716



23.5559, 0.5313, 0.3794



23.5559, 0.2083, 0.4404

Complementary

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



23.5559, 0.1996, 0.1716



61.1879, 0.4273, 0.4440

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.



23.5559, 0.3013, 0.5349



23.5559, 0.1996, 0.1716



23.5559, 0.4877, 0.4569

Square

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



23.5559, 0.1996, 0.1716



23.5559, 0.5041, 0.3074



23.5559, 0.4023, 0.5256



23.5559, 0.1501, 0.3077

Rectangle

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



23.5559, 0.1996, 0.1716



23.5559, 0.3665, 0.2245



23.5559, 0.4023, 0.5256



23.5559, 0.2366, 0.4817

Sweetspot

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



23.5566, 0.1996, 0.1716



71.1464, 0.2819, 0.2905



69.1036, 0.2539, 0.3830



14.4152, 0.2768, 0.2840



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.



23.5566, 0.1996, 0.1716



19.2032, 0.1792, 0.1357



17.3849, 0.2112, 0.1338



15.8954, 0.2980, 0.3110



5.5280, 0.1586, 0.0908



0.6157, 0.1655, 0.1157

Inverse Universe

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



27.0572, 0.4650, 0.2891



25.4690, 0.5168, 0.2888



76.5861, 0.3749, 0.4919



15.8262, 0.3252, 0.3229



10.3514, 0.5899, 0.3023



0.8769, 0.5528, 0.2819

Previews

White Background



This preview shows how the Yxy color 23.5559, 0.1996, 0.1716 looks on a white background.

Color Contrast Check

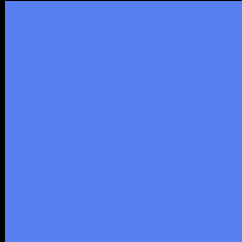
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5559, 0.1996, 0.1716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

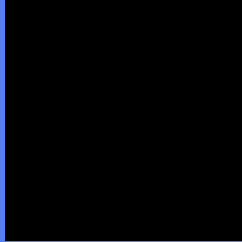
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5559, 0.1996, 0.1716

Background



This preview shows how black text looks on a background with the Yxy color 23.5559, 0.1996, 0.1716.



This preview shows how white text looks on a background with the Yxy color 23.5559, 0.1996, 0.1716.

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

23.5559, 0.1996, 0.1716

Protanopia

23.6674, 0.1944, 0.1708

Deuteranopia

23.6455, 0.1835, 0.1778



Tritanopia

23.4577, 0.2254, 0.3058

Trichromacy



Original Color

23.5559, 0.1996, 0.1716

Protanomaly

23.5114, 0.1960, 0.1709

Deuteranomaly

23.2449, 0.1859, 0.1738

Tritanomaly

22.9368, 0.2125, 0.2444

Monochromacy



Original Color

23.5559, 0.1996, 0.1716

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8136, 0.2579, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5559, 0.1996, 0.1716 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(87, 127, 241)` looks like.

```
.text, #text, p{  
    color:rgb(87, 127, 241)  
}
```

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(87, 127, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 127, 241) }
```

Border

The CSS property to change the border of an element to Yxy 23.5559, 0.1996, 0.1716 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(87, 127, 241) }
```

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

```
.border{ border-color:rgb(87, 127, 241) }
```

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

Here you see how a box with a 4 pixel rgb(87, 127, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 127, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 127, 241);  
box-shadow:4px 4px 4px 4px rgb(87, 127,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5559, 0.1996, 0.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 127, 241) }
```

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

```
.background{ background-color: rgb(87, 127,  
241) }
```

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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