

Converting Colors

$Y_{xy}(29.6800, 0.2103, 0.2044)$

Have a look what the booklet for
Yxy(29.6800, 0.2103, 0.2044)
contains.

Yxy(29.6800, 0.2103, 0.2044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6800, 0.2103, 0.2044)

Conversions

Conversions Part 1

Format	Color
Hex	5D94EE
RGB	93, 148, 238
RGB Percent	36%, 58%, 93%
CMY	0.6351, 0.4196, 0.0668
CMYK	0.61, 0.38, 0.00, 0.07
HSL	217°, 81%, 65%
HSV	217°, 61%, 93%
XYZ	30.5367, 29.6800, 84.9888
YIQ	141.8150, -61.6700, 16.3300

Conversions

Conversions Part 2

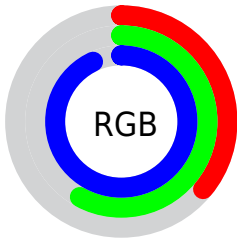
Format	Color
R _Y B	93, 133, 238
Decimal	6132974
CIE Lab	61.38, 8.93, -50.74
CIE LCh	61, 51.517, 279.980
Yxy	29.6800, 0.2103, 0.2044
Android (android.graphics.Color)	4284323054 (0xFF5D94EE)
YUV	141.8150, 47.4192, -42.8108
Hunter-Lab	54.4794, 4.7138, -54.3579

Details

The Yxy color **29.6800, 0.2103, 0.2044** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **52.8405, 0.4343, 0.4237**, and the grayscale version is **26.8055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3311, 0.2482, 0.2663**, and **12.0909, 0.1815, 0.1722** is the 20% darker color. If you saturate the color by 10%, you get **24.2829, 0.1953, 0.1802**, and if you desaturate by 10%, it is **36.0570, 0.2269, 0.2285**.

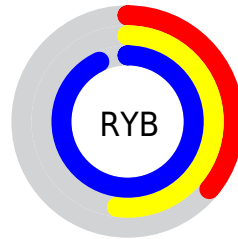
Distribution



Red (36%)

Green (58%)

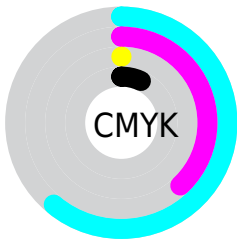
Blue (93%)



Red (36%)

Yellow (52%)

Blue (93%)

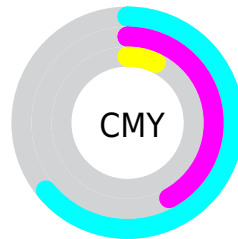


Cyan (61%)

Magenta (38%)

Yellow (0%)

Black (7%)



Cyan (64%)


Magenta (42%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6800, 0.2103, 0.2044 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 29.6800, 0.2103, 0.2044 by changing the saturation by 10% instead.


 29.6800, 0.2103,
0.2044


 29.6800, 0.2103,
0.2044


300.4100, 0.2625,
0.2662

 19.5958, 0.1975,
0.1897


 59.1557, 0.2292,
0.2264


 12.1016, 0.1814,
0.1716


 79.3161, 0.2364,
0.2348

 6.8129, 0.1608,
0.1488


 103.6040, 0.2424,
0.2420

 3.3454, 0.1341,
0.1200

 132.4038, 0.2476,
0.2482

 1.3146, 0.0993,
0.0840

166.0999, 0.2521,
0.2536

 0.1525, 0.0473,
0.0199

205.0767, 0.2560,

 0.0000, 0.0000,

0.2583

0.0000

249.7186, 0.2595,
0.2625

■ 29.6800, 0.2103,
0.2044

■ 29.6800, 0.2103,
0.2044

■ 24.2829, 0.1953,
0.1802

■ 36.0570, 0.2269,
0.2285

■ 19.8033, 0.1825,
0.1567

■ 43.4643, 0.2443,
0.2517

■ 16.1740, 0.1726,
0.1351

■ 51.9520, 0.2619,
0.2735

■ 13.5234, 0.1660,
0.1175

■ 61.5657, 0.2791,
0.2935

■ 72.3478, 0.2957,
0.3115

■ 84.3389, 0.3114,
0.3276

■ 96.6882, 0.3229,
0.3420

■ 98.9516, 0.3226,
0.3454

Harmonies

Analogous

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



29.6800, 0.1770, 0.2191



29.6800, 0.2103, 0.2044



29.6800, 0.2726, 0.2159

Triad

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



29.6800, 0.2103, 0.2044



29.6800, 0.4761, 0.3581



29.6800, 0.2576, 0.4338

Complementary

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



29.6800, 0.2103, 0.2044



52.8405, 0.4343, 0.4237

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.



29.6800, 0.3348, 0.4820



29.6800, 0.2103, 0.2044



29.6800, 0.4640, 0.4182

Square

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



29.6800, 0.2103, 0.2044



29.6800, 0.4355, 0.2996



29.6800, 0.4103, 0.4683



29.6800, 0.1997, 0.3446

Rectangle

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



29.6800, 0.2103, 0.2044



29.6800, 0.3271, 0.2361



29.6800, 0.4103, 0.4683



29.6800, 0.2822, 0.4567

Sweetspot

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



29.6810, 0.2103, 0.2044



75.4571, 0.2839, 0.2988



66.8592, 0.2632, 0.4039



15.3938, 0.2790, 0.2933



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.



29.6810, 0.2103, 0.2044



27.0705, 0.1920, 0.1745



17.3208, 0.2046, 0.1375



16.2110, 0.2980, 0.3139



7.7763, 0.1668, 0.1204



0.8329, 0.1740, 0.1465

Inverse Universe

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



28.1480, 0.4290, 0.2713



27.3746, 0.4676, 0.2664



77.3086, 0.3858, 0.4781



15.8580, 0.3234, 0.3201



10.5784, 0.5461, 0.2782



0.8988, 0.5105, 0.2586

Previews

White Background



This preview shows how the Yxy color 29.6800, 0.2103, 0.2044 looks on a white background.

Color Contrast Check

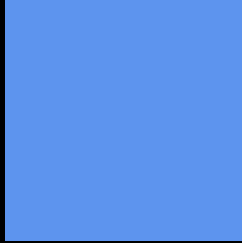
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6800, 0.2103, 0.2044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

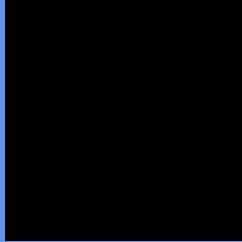
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

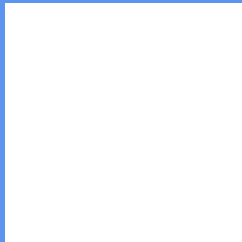
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6800, 0.2103, 0.2044

Background



This preview shows how black text looks on a background with the Yxy color 29.6800, 0.2103, 0.2044.



This preview shows how white text looks on a background with the Yxy color 29.6800, 0.2103, 0.2044.

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

29.6800, 0.2103, 0.2044

Protanopia

29.4554, 0.2209, 0.2048

Deuteranopia

29.7325, 0.2107, 0.2045



Tritanopia

29.6025, 0.2322, 0.3064

Trichromacy



Original Color

29.6800, 0.2103, 0.2044

Protanomaly

29.3711, 0.2168, 0.2040

Deuteranomaly

29.7325, 0.2107, 0.2045

Tritanomaly

29.2640, 0.2229, 0.2631

Monochromacy



Original Color

29.6800, 0.2103, 0.2044

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.4059, 0.2645, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6800, 0.2103, 0.2044 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(93, 148, 238)` looks like.

```
.text, #text, p{  
    color:rgb(93, 148, 238)  
}
```

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(93, 148, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 148, 238) }
```

Border

The CSS property to change the border of an element to Yxy 29.6800, 0.2103, 0.2044 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(93, 148, 238) }
```

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

```
.border{ border-color:rgb(93, 148, 238) }
```

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

Here you see how a box with a 4 pixel rgb(93, 148, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 148, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 148, 238);  
box-shadow:4px 4px 4px 4px rgb(93, 148,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6800, 0.2103, 0.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 148, 238) }
```

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

```
.background{ background-color: rgb(93, 148,  
238) }
```

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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