

Converting Colors

$Y_{xy}(29.9766, 0.2082, 0.1982)$

Have a look what the booklet for
Yxy(29.9766, 0.2082, 0.1982)
contains.

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Color

Yxy(30.0911, 0.2083, 0.1988)

Conversions

Conversions Part 1

Format	Color
Hex	5E94F4
RGB	94, 148, 244
RGB Percent	37%, 58%, 96%
CMY	0.6317, 0.4195, 0.0431
CMYK	0.62, 0.39, 0.00, 0.04
HSL	218°, 87%, 66%
HSV	218°, 62%, 96%
XYZ	31.5291, 30.0911, 89.7435
YIQ	142.7980, -63.0000, 18.4080

Conversions

Conversions Part 2

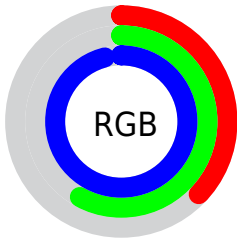
Format	Color
R _{YB}	94, 134, 244
Decimal	6198516
CIE Lab	61.73, 11.07, -53.50
CIE LCh	62, 54.629, 281.687
Yxy	30.0911, 0.2083, 0.1988
Android (android.graphics.Color)	4284388596 (0xFF5E94F4)
YUV	142.7980, 49.8926, -42.7958
Hunter-Lab	54.8554, 6.5991, -58.5999

Details

The Yxy color **30.0911, 0.2083, 0.1988** 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 **56.8283, 0.4339, 0.4271**, and the grayscale version is **27.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4296, 0.2487, 0.2664**, and **12.3232, 0.1794, 0.1657** is the 20% darker color. If you saturate the color by 10%, you get **24.4303, 0.1932, 0.1740**, and if you desaturate by 10%, it is **36.8214, 0.2251, 0.2237**.

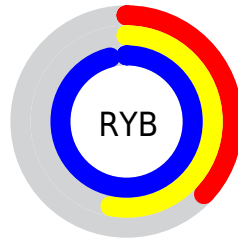
Distribution



Red (37%)

Green (58%)

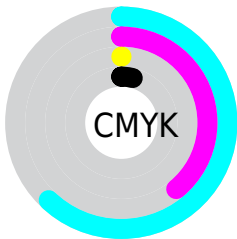
Blue (96%)



Red (37%)

Yellow (53%)

Blue (96%)

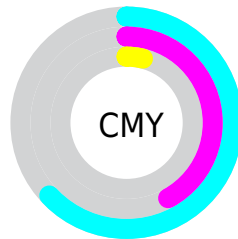


Cyan (62%)

Magenta (39%)

Yellow (0%)

Black (4%)



Cyan (63%)


Magenta (42%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0911, 0.2083, 0.1988 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 30.0911, 0.2083, 0.1988 by changing the saturation by 10% instead.


 30.0911, 0.2083,
0.1988


 30.0911, 0.2083,
0.1988


302.3289, 0.2613,
0.2627


 19.9077, 0.1954,
0.1839


 59.8062, 0.2274,
0.2214


 12.3280, 0.1793,
0.1656


 80.1068, 0.2347,
0.2301

 6.9675, 0.1588,
0.1428


 104.5485, 0.2408,
0.2375

 3.4418, 0.1324,
0.1143

 133.5158, 0.2461,
0.2439

 1.3665, 0.0984,
0.0794

167.3931, 0.2507,
0.2495

 0.1918, 0.0518,
0.0220

206.5648, 0.2547,

 0.0000, 0.0000,

0.2545

0.0000

251.4153, 0.2582,
0.2588

■ 30.0911, 0.2083,
0.1988

■ 30.0911, 0.2083,
0.1988

■ 24.4303, 0.1932,
0.1740

■ 36.8214, 0.2251,
0.2237

■ 19.7698, 0.1804,
0.1501

■ 44.6777, 0.2427,
0.2477


■ 16.0347, 0.1706,
0.1284


■ 53.7155, 0.2605,
0.2703

■ 13.5047, 0.1645,
0.1121

■ 63.9855, 0.2780,
0.2911

■ 75.5351, 0.2947,
0.3099

 88.4090, 0.3104,
0.3266

 99.3124, 0.3191,
0.3395

Harmonies

Analogous

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



30.0911, 0.1721, 0.2120



30.0911, 0.2083, 0.1988



30.0911, 0.2748, 0.2123

Triad

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



30.0911, 0.2083, 0.1988



30.0911, 0.4855, 0.3619



30.0911, 0.2500, 0.4356

Complementary

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



30.0911, 0.2083, 0.1988



56.8283, 0.4339, 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.



30.0911, 0.3302, 0.4902



30.0911, 0.2083, 0.1988



30.0911, 0.4689, 0.4246

Square

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



30.0911, 0.2083, 0.1988



30.0911, 0.4461, 0.3009



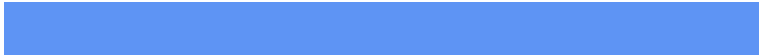
30.0911, 0.4101, 0.4772



30.0911, 0.1915, 0.3395

Rectangle

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



30.0911, 0.2083, 0.1988



30.0911, 0.3327, 0.2341



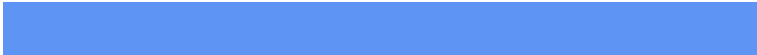
30.0911, 0.4101, 0.4772



30.0911, 0.2753, 0.4611

Sweetspot

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



30.0921, 0.2083, 0.1988



74.9898, 0.2839, 0.2978



70.7567, 0.2618, 0.4014



15.2808, 0.2789, 0.2922



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.



30.0921, 0.2083, 0.1988



25.5271, 0.1895, 0.1675



18.0941, 0.2049, 0.1360



16.9044, 0.2980, 0.3134



7.5777, 0.1653, 0.1150



0.8537, 0.1722, 0.1398

Inverse Universe

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



29.3633, 0.4350, 0.2738



26.9217, 0.4762, 0.2697



81.3624, 0.3846, 0.4805



16.5812, 0.3237, 0.3205



10.8643, 0.5538, 0.2824



0.9738, 0.5193, 0.2634

Previews

White Background



This preview shows how the Yxy color 30.0911, 0.2083, 0.1988 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0911, 0.2083, 0.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

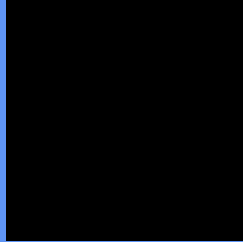
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

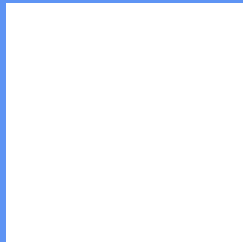
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0911, 0.2083, 0.1988

Background



This preview shows how black text looks on a background with the Yxy color 30.0911, 0.2083, 0.1988.



This preview shows how white text looks on a background with the Yxy color 30.0911, 0.2083, 0.1988.

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

30.0911, 0.2083, 0.1988

Protanopia

29.9167, 0.2167, 0.1999

Deuteranopia

30.1013, 0.2060, 0.1994



Tritanopia

29.9673, 0.2307, 0.3048

Trichromacy



Original Color

30.0911, 0.2083, 0.1988

Protanomaly

29.9116, 0.2134, 0.1994

Deuteranomaly

30.2002, 0.2069, 0.1997

Tritanomaly

29.7475, 0.2209, 0.2592

Monochromacy



Original Color

30.0911, 0.2083, 0.1988

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.9061, 0.2633, 0.2739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0911, 0.2083, 0.1988 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(94, 148, 244)` looks like.

```
.text, #text, p{  
    color:rgb(94, 148, 244)  
}
```

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(94, 148, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 148, 244) }
```

Border

The CSS property to change the border of an element to Yxy 30.0911, 0.2083, 0.1988 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(94, 148, 244) }
```

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

```
.border{ border-color:rgb(94, 148, 244) }
```

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

Here you see how a box with a 4 pixel rgb(94, 148, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 148, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 148, 244);  
box-shadow:4px 4px 4px 4px rgb(94, 148,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0911, 0.2083, 0.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 148, 244) }
```

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

```
.background{ background-color: rgb(94, 148,  
244) }
```

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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