

Converting Colors

$Y_{xy}(29.9467, 0.2063, 0.1910)$

Have a look what the booklet for
Yxy(29.9467, 0.2063, 0.1910)
contains.

Yxy(29.9467, 0.2063, 0.1910)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9467, 0.2063, 0.1910)

Conversions

Conversions Part 1

Format	Color
Hex	6092FA
RGB	96, 146, 250
RGB Percent	38%, 57%, 98%
CMY	0.6240, 0.4273, 0.0197
CMYK	0.62, 0.42, 0.00, 0.02
HSL	220°, 94%, 68%
HSV	220°, 62%, 98%
XYZ	32.3456, 29.9467, 94.4967
YIQ	142.9060, -63.1840, 21.7440

Conversions

Conversions Part 2

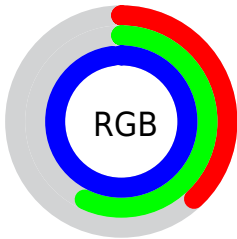
Format	Color
R _Y B	96, 134, 250
Decimal	6329082
CIE Lab	61.61, 14.56, -56.97
CIE LCh	62, 58.798, 284.342
Yxy	29.9467, 0.2063, 0.1910
Android (android.graphics.Color)	4284519162 (0xFF6092FA)
YUV	142.9060, 52.7973, -41.1366
Hunter-Lab	54.7236, 9.7401, -64.0755

Details

The Yxy color **29.9467, 0.2063, 0.1910** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.3949, 0.4305, 0.4323**, and the grayscale version is **27.2251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3359, 0.2498, 0.2630**, and **12.2225, 0.1769, 0.1564** is the 20% darker color. If you saturate the color by 10%, you get **23.9799, 0.1908, 0.1651**, and if you desaturate by 10%, it is **37.1131, 0.2235, 0.2172**.

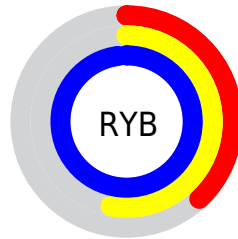
Distribution



Red (38%)

Green (57%)

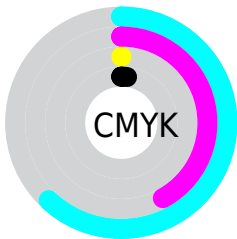
Blue (98%)



Red (38%)

Yellow (53%)

Blue (98%)

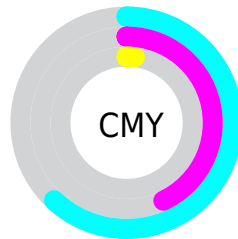


Cyan (62%)

Magenta (42%)

Yellow (0%)

Black (2%)



Cyan (62%)


Magenta (43%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9467, 0.2063, 0.1910 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 29.9467, 0.2063, 0.1910 by changing the saturation by 10% instead.


 29.9467, 0.2063,
0.1910


 29.9467, 0.2063,
0.1910


301.6559, 0.2603,
0.2579


 19.7981, 0.1933,
0.1757


 59.5779, 0.2257,
0.2144


 12.2484, 0.1770,
0.1570


 79.8293, 0.2331,
0.2235

 6.9131, 0.1565,
0.1340


 104.2171, 0.2394,
0.2313

 3.4078, 0.1302,
0.1058

 133.1257, 0.2447,
0.2381

 1.3482, 0.0968,
0.0720

166.9395, 0.2494,
0.2440

 0.1780, 0.0537,
0.0182

206.0428, 0.2535,

 0.0000, 0.0000,

0.2492

0.0000

250.8202, 0.2571,
0.2538

■ 29.9467, 0.2063,
0.1910

■ 29.9467, 0.2063,
0.1910

■ 23.9799, 0.1908,
0.1651

■ 37.1131, 0.2235,
0.2172

■ 19.1337, 0.1777,
0.1405

■ 45.5445, 0.2416,
0.2426

■ 15.3223, 0.1678,
0.1185

■ 55.3046, 0.2598,
0.2666

■ 12.8360, 0.1619,
0.1028

■ 66.4514, 0.2775,
0.2886

■ 79.0394, 0.2944,
0.3085

93.1200, 0.3102,
0.3263

99.6806, 0.3156,
0.3338

Harmonies

Analogous

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



29.9467, 0.1656, 0.2016



29.9467, 0.2063, 0.1910



29.9467, 0.2793, 0.2076

Triad

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



29.9467, 0.2063, 0.1910



29.9467, 0.4988, 0.3679



29.9467, 0.2379, 0.4366

Complementary

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



29.9467, 0.2063, 0.1910



62.3949, 0.4305, 0.4323

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.



29.9467, 0.3219, 0.5019



29.9467, 0.2063, 0.1910



29.9467, 0.4746, 0.4345

Square

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



29.9467, 0.2063, 0.1910



29.9467, 0.4625, 0.3036



29.9467, 0.4081, 0.4907



29.9467, 0.1793, 0.3303

Rectangle

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



29.9467, 0.2063, 0.1910



29.9467, 0.3425, 0.2318



29.9467, 0.4081, 0.4907



29.9467, 0.2642, 0.4663

Sweetspot

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



29.9477, 0.2063, 0.1910



74.1203, 0.2838, 0.2961



74.9420, 0.2594, 0.3947



15.0707, 0.2788, 0.2901



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.



29.9477, 0.2063, 0.1910



23.7492, 0.1873, 0.1589



19.3525, 0.2079, 0.1369



17.5652, 0.2979, 0.3125



7.0416, 0.1627, 0.1057



0.8364, 0.1692, 0.1291

Inverse Universe

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



30.7412, 0.4431, 0.2792



26.7422, 0.4863, 0.2762



85.0925, 0.3810, 0.4831



17.3183, 0.3243, 0.3213



11.1218, 0.5674, 0.2899



1.0487, 0.5339, 0.2715

Previews

White Background



This preview shows how the Yxy color 29.9467, 0.2063, 0.1910 looks on a white background.

Color Contrast Check

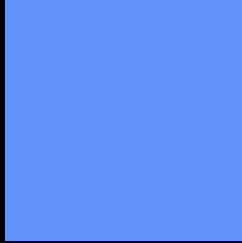
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9467, 0.2063, 0.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

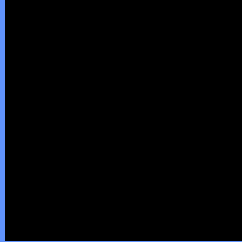
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

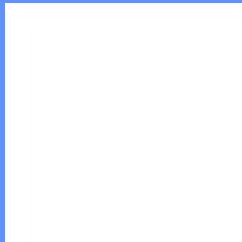
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9467, 0.2063, 0.1910

Background



This preview shows how black text looks on a background with the Yxy color 29.9467, 0.2063, 0.1910.



This preview shows how white text looks on a background with the Yxy color 29.9467, 0.2063, 0.1910.

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

29.9467, 0.2063, 0.1910

Protanopia

30.0334, 0.2102, 0.1917

Deuteranopia

29.9122, 0.1999, 0.1935



Tritanopia

29.8656, 0.2305, 0.3064

Trichromacy



Original Color

29.9467, 0.2063, 0.1910

Protanomaly

29.8571, 0.2088, 0.1912

Deuteranomaly

29.9042, 0.2022, 0.1929

Tritanomaly

29.4189, 0.2196, 0.2561

Monochromacy



Original Color

29.9467, 0.2063, 0.1910

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.7595, 0.2624, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9467, 0.2063, 0.1910 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(96, 146, 250)` looks like.

```
.text, #text, p{  
  color:rgb(96, 146, 250)  
}
```

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(96, 146, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 146, 250) }
```

Border

The CSS property to change the border of an element to Yxy 29.9467, 0.2063, 0.1910 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(96, 146, 250) }
```

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

```
.border{ border-color:rgb(96, 146, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 146, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 146, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 146, 250);  
box-shadow:4px 4px 4px 4px rgb(96, 146,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9467, 0.2063, 0.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 146, 250) }
```

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

```
.background{ background-color: rgb(96, 146,  
250) }
```

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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