

Converting Colors

$Y_{xy}(30.9902, 0.2037, 0.1901)$

Have a look what the booklet for
Yxy(30.9902, 0.2037, 0.1901)
contains.

Yxy(30.9902, 0.2037, 0.1901)	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(30.9902, 0.2037, 0.1901)

Conversions

Conversions Part 1

Format	Color
Hex	5C95FF
RGB	92, 149, 255
RGB Percent	36%, 58%, 100%
CMY	0.6392, 0.4157, 0.0001
CMYK	0.64, 0.42, 0.00, 0.00
HSL	219°, 100%, 68%
HSV	219°, 64%, 100%
XYZ	33.2073, 30.9902, 98.8230
YIQ	144.0410, -67.9980, 20.8820

Conversions

Conversions Part 2

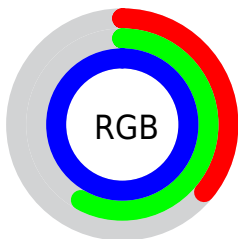
Format	Color
R _Y B	92, 134, 255
Decimal	6067711
CIE Lab	62.50, 13.80, -58.30
CIE LCh	62, 59.907, 283.315
Yxy	30.9902, 0.2037, 0.1901
Android (android.graphics.Color)	4284257791 (0xFF5C95FF)
YUV	144.0410, 54.7028, -45.6400
Hunter-Lab	55.6688, 9.0574, -66.2831

Details

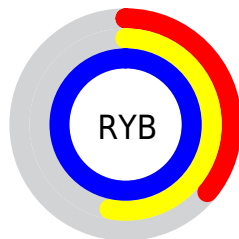
The Yxy color **30.9902, 0.2037, 0.1901** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **62.4011, 0.4382, 0.4316**, and the grayscale version is **27.7035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9004, 0.2489, 0.2676**, and **13.0009, 0.1770, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **25.0136, 0.1889, 0.1650**, and if you desaturate by 10%, it is **38.1571, 0.2203, 0.2155**.

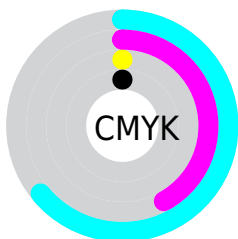
Distribution



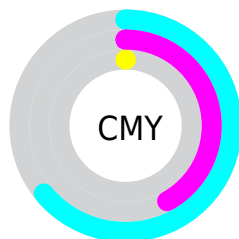
- Red (36%)
- Green (58%)
- Blue (100%)



- Red (36%)
- Yellow (53%)
- Blue (100%)



- Cyan (64%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9902, 0.2037, 0.1901 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 30.9902, 0.2037, 0.1901 by changing the saturation by 10% instead.


 30.9902, 0.2037,
0.1901


 30.9902, 0.2037,
0.1901


306.4932, 0.2585,
0.2570

 20.5914, 0.1906,
0.1749


 61.2246, 0.2233,
0.2134

 12.8256, 0.1744,
0.1564


 81.8291, 0.2308,
0.2225

 7.3086, 0.1540,
0.1338

 106.6041, 0.2371,
0.2303

 3.6558, 0.1282,
0.1061

 135.9343, 0.2426,
0.2371

 1.4830, 0.0956,
0.0731

170.2038, 0.2474,
0.2430

 0.2767, 0.0552,
0.0255

209.7972, 0.2516,

 0.0000, 0.0000,

0.2483

0.0000

255.0989, 0.2552,
0.2529

■ 30.9902, 0.2037,
0.1901

■ 30.9902, 0.2037,
0.1901

■ 25.0136, 0.1889,
0.1650

■ 38.1571, 0.2203,
0.2155

■ 20.1467, 0.1768,
0.1414

■ 46.5809, 0.2380,
0.2403

■ 16.3001, 0.1677,
0.1202

■ 56.3260, 0.2559,
0.2637

■ 14.3964, 0.1636,
0.1088

■ 67.4511, 0.2737,
0.2854

■ 80.0110, 0.2907,
0.3051

 94.0574, 0.3067,
0.3227

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



30.9902, 0.1640, 0.2017



30.9902, 0.2037, 0.1901



30.9902, 0.2760, 0.2059

Triad

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



30.9902, 0.2037, 0.1901



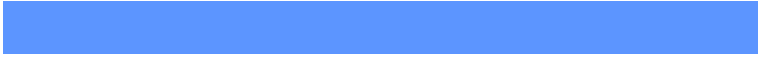
30.9902, 0.4999, 0.3657



30.9902, 0.2399, 0.4408

Complementary

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



30.9902, 0.2037, 0.1901



62.4011, 0.4382, 0.4316

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.



30.9902, 0.3249, 0.5041



30.9902, 0.2037, 0.1901



30.9902, 0.4772, 0.4327

Square

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



30.9902, 0.2037, 0.1901



30.9902, 0.4612, 0.3012



30.9902, 0.4113, 0.4903



30.9902, 0.1799, 0.3338

Rectangle

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



30.9902, 0.2037, 0.1901



30.9902, 0.3393, 0.2298



30.9902, 0.4113, 0.4903



30.9902, 0.2666, 0.4701

Sweetspot

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



30.9912, 0.2037, 0.1901



73.4629, 0.2821, 0.2954



77.8573, 0.2596, 0.4014



14.9686, 0.2772, 0.2896



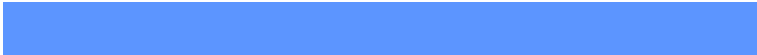
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9912, 0.2037, 0.1901



23.4050, 0.1849, 0.1576



18.6148, 0.2018, 0.1289



18.4170, 0.2979, 0.3131



7.7754, 0.1644, 0.1118



0.9527, 0.1706, 0.1342

Inverse Universe

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



31.0795, 0.4454, 0.2742



25.8932, 0.4896, 0.2718



89.1921, 0.3845, 0.4866



18.0920, 0.3239, 0.3207



11.5129, 0.5584, 0.2850



1.1407, 0.5269, 0.2676

Previews

White Background



This preview shows how the Yxy color 30.9902, 0.2037, 0.1901 looks on a white background.

Color Contrast Check

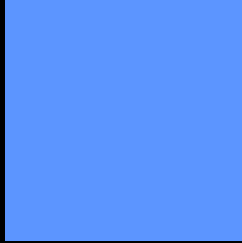
Large Text (above 18pt) WCAG AA × Fail

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 30.9902, 0.2037, 0.1901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

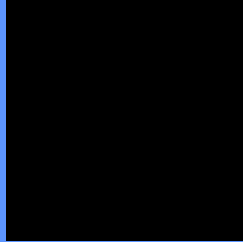
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

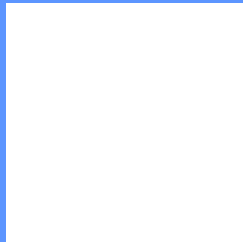
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9902, 0.2037, 0.1901

Background



This preview shows how black text looks on a background with the Yxy color 30.9902, 0.2037, 0.1901.



This preview shows how white text looks on a background with the Yxy color 30.9902, 0.2037, 0.1901.

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

30.9902, 0.2037, 0.1901

Protanopia

31.0235, 0.2102, 0.1912

Deuteranopia

31.1487, 0.1990, 0.1931



Tritanopia

30.8179, 0.2262, 0.3049

Trichromacy



Original Color

30.9902, 0.2037, 0.1901

Protanomaly

31.1023, 0.2077, 0.1909

Deuteranomaly

31.0828, 0.2007, 0.1924

Tritanomaly

30.4251, 0.2157, 0.2539

Monochromacy



Original Color

30.9902, 0.2037, 0.1901

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.3784, 0.2605, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9902, 0.2037, 0.1901 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(92, 149, 255)` looks like.

```
.text, #text, p{  
  color:rgb(92, 149, 255)  
}
```

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(92, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.9902, 0.2037, 0.1901 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(92, 149, 255) }
```

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

```
.border{ border-color:rgb(92, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9902, 0.2037, 0.1901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 149, 255) }
```

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

```
.background{ background-color: rgb(92, 149,  
255) }
```

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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