

Converting Colors

$Yxy(30.3813, 0.1973, 0.2008)$

Have a look what the booklet for
Yxy(30.3813, 0.1973, 0.2008)
contains.

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Color

Yxy(30.3671, 0.1975, 0.2013)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 3D99F5 |
| RGB | 61, 153, 245 |
| RGB Percent | 24%, 60%, 96% |
| CMY | 0.7612, 0.4000, 0.0391 |
| CMYK | 0.75, 0.38, 0.00, 0.04 |
| HSL | 210°, 90%, 60% |
| HSV | 210°, 75%, 96% |
| XYZ | 29.7939, 30.3671, 90.6940 |
| YIQ | 135.9800, -84.3640, 9.1080 |

Conversions

Conversions Part 2

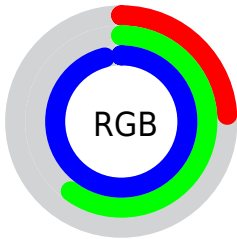
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 61, 122, 245 |
| Decimal | 4037109 |
| CIE Lab | 61.97, 3.57, -53.75 |
| CIE LCh | 62, 53.867, 273.805 |
| Yxy | 30.3671, 0.1975, 0.2013 |
| Android (android.graphics.Color) | 4282227189 (0xFF3D99F5) |
| YUV | 135.9800, 53.7469, -65.7575 |
| Hunter-Lab | 55.1064, 0.0719, -59.0050 |

Details

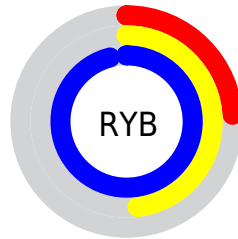
The Yxy color **30.3671, 0.1975, 0.2013** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **42.5014, 0.4873, 0.4152**, and the grayscale version is **24.4214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6709, 0.2375, 0.2707**, and **13.3313, 0.1816, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **25.9568, 0.1872, 0.1819**, and if you desaturate by 10%, it is **35.5452, 0.2100, 0.2211**.

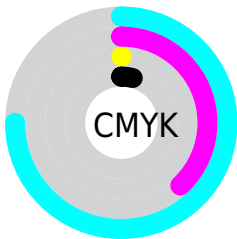
Distribution



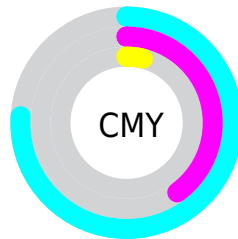
- Red (24%)
- Green (60%)
- Blue (96%)



- Red (24%)
- Yellow (48%)
- Blue (96%)



- Cyan (75%)
- Magenta (38%)
- Yellow (0%)
- Black (4%)





- Cyan (76%)
- Magenta (40%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3671, 0.1975, 0.2013 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 30.3671, 0.1975, 0.2013 by changing the saturation by 10% instead.


 30.3671, 0.1975,
0.2013


 30.3671, 0.1975,
0.2013


303.6119, 0.2552,
0.2646


 20.1174, 0.1837,
0.1864


 60.2422, 0.2181,
0.2238


 12.4804, 0.1667,
0.1680


 80.6365, 0.2260,
0.2324

 7.0717, 0.1452,
0.1451


 105.1810, 0.2327,
0.2398

 3.5070, 0.1181,
0.1164

 134.2602, 0.2385,
0.2461

 1.4018, 0.0841,
0.0811

168.2585, 0.2435,
0.2516

 0.2181, 0.0335,
0.0248

207.5603, 0.2479,

 0.0000, 0.0000,

0.2565

0.0000

252.5499, 0.2518,
0.2608

■ 30.3671, 0.1975,
0.2013

■ 30.3671, 0.1975,
0.2013

■ 25.9568, 0.1872,
0.1819

■ 35.5452, 0.2100,
0.2211

■ 22.2462, 0.1795,
0.1635

■ 41.5429, 0.2243,
0.2406

■ 20.6570, 0.1764,
0.1549

■ 48.4093, 0.2398,
0.2595

■ 56.1879, 0.2561,
0.2774

■ 64.9187, 0.2726,
0.2939

■ 74.6390, 0.2889,
0.3090

■ 85.3836, 0.3048,
0.3226

■ 96.8228, 0.3188,
0.3347

■ 99.3739, 0.3185,
0.3386

Harmonies

Analogous

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



30.3671, 0.1695, 0.2223



30.3671, 0.1975, 0.2013



30.3671, 0.2555, 0.2080

Triad

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



30.3671, 0.1975, 0.2013



30.3671, 0.4779, 0.3455



30.3671, 0.2707, 0.4538

Complementary

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



30.3671, 0.1975, 0.2013



42.5014, 0.4873, 0.4152

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.



30.3671, 0.3518, 0.4899



30.3671, 0.1975, 0.2013



30.3671, 0.4757, 0.4077

Square

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



30.3671, 0.1975, 0.2013



30.3671, 0.4253, 0.2867



30.3671, 0.4270, 0.4639



30.3671, 0.2055, 0.3648

Rectangle

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



30.3671, 0.1975, 0.2013



30.3671, 0.3092, 0.2258



30.3671, 0.4270, 0.4639



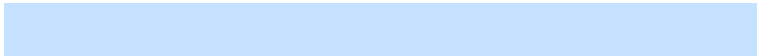
30.3671, 0.2971, 0.4736

Sweetspot

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



30.3681, 0.1975, 0.2013



73.2285, 0.2760, 0.2972



68.5047, 0.2699, 0.4613



14.8892, 0.2701, 0.2915



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.



30.3681, 0.1975, 0.2013



26.2827, 0.1830, 0.1725



11.2442, 0.1700, 0.0945



17.2966, 0.2980, 0.3169



11.4033, 0.1772, 0.1578



1.2078, 0.1835, 0.1804

Inverse Universe

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



25.0420, 0.4388, 0.2438



23.8797, 0.4762, 0.2453



83.2282, 0.4126, 0.4889



16.6208, 0.3215, 0.3172



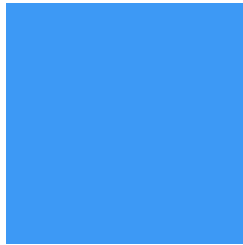
11.2505, 0.4959, 0.2506



1.0096, 0.4680, 0.2352

Previews

White Background



This preview shows how the Yxy color 30.3671, 0.1975, 0.2013 looks on a white background.

Color Contrast Check

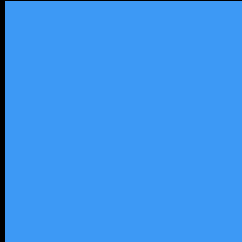
Large Text (above 18pt) WCAG AA × Fail

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 30.3671, 0.1975, 0.2013 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

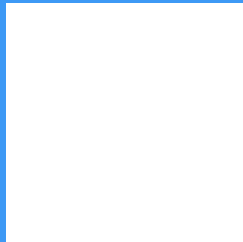
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3671, 0.1975, 0.2013

Background



This preview shows how black text looks on a background with the Yxy color 30.3671, 0.1975, 0.2013.



This preview shows how white text looks on a background with the Yxy color 30.3671, 0.1975, 0.2013.

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

30.3671, 0.1975, 0.2013

Protanopia

30.2415, 0.2201, 0.2046

Deuteranopia

30.4449, 0.2048, 0.1987



Tritanopia

30.1246, 0.2184, 0.3061

Trichromacy



Original Color

30.3671, 0.1975, 0.2013

Protanomaly

30.2254, 0.2098, 0.2030

Deuteranomaly

30.3648, 0.2016, 0.1990

Tritanomaly

29.9246, 0.2081, 0.2624

Monochromacy



Original Color

30.3671, 0.1975, 0.2013

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7318, 0.2525, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3671, 0.1975, 0.2013 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(61, 153, 245)` looks like.

```
.text, #text, p{  
    color:rgb(61, 153, 245)  
}
```

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(61, 153, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 153, 245) }
```

Border

The CSS property to change the border of an element to Yxy 30.3671, 0.1975, 0.2013 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(61, 153, 245) }
```

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

```
.border{ border-color:rgb(61, 153, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 153, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 153, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 153, 245);  
box-shadow:4px 4px 4px 4px rgb(61, 153,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3671, 0.1975, 0.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 153, 245) }
```

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

```
.background{ background-color: rgb(61, 153,  
245) }
```

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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