

Converting Colors

$Y_{xy}(34.2493, 0.2161, 0.2011)$

Have a look what the booklet for
Yxy(34.2493, 0.2161, 0.2011)
contains.

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Color

Yxy(34.3075, 0.2162, 0.2013)

Conversions

Conversions Part 1

Format	Color
Hex	739BFF
RGB	115, 155, 255
RGB Percent	45%, 61%, 100%
CMY	0.5487, 0.3922, 0.0001
CMYK	0.55, 0.39, 0.00, 0.00
HSL	223°, 100%, 73%
HSV	223°, 55%, 100%
XYZ	36.8469, 34.3075, 99.2753
YIQ	154.4400, -55.9400, 22.6200

Conversions

Conversions Part 2

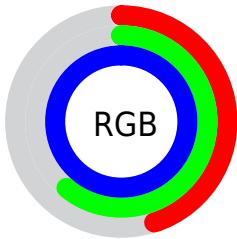
Format	Color
RYB	115, 146, 255
Decimal	7576575
CIELab	65.21, 14.55, -53.93
CIELCh	65, 55.854, 285.103
Yxy	34.3075, 0.2162, 0.2013
Android (android.graphics.Color)	4285766655 (0xFF739BFF)
YUV	154.4400, 49.5761, -34.5889
Hunter-Lab	58.5726, 9.7889, -59.4904

Details

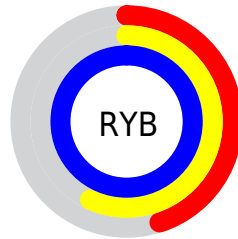
The Yxy color **34.3075, 0.2162, 0.2013** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.1374, 0.4132, 0.4282**, and the grayscale version is **32.3220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9349, 0.2614, 0.2766**, and **14.6308, 0.1899, 0.1693** is the 20% darker color. If you saturate the color by 10%, you get **27.1963, 0.1989, 0.1737**, and if you desaturate by 10%, it is **42.8145, 0.2346, 0.2286**.

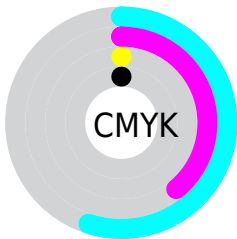
Distribution



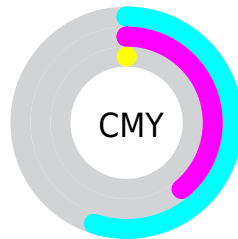
- Red (45%)
- Green (61%)
- Blue (100%)



- Red (45%)
- Yellow (57%)
- Blue (100%)



- Cyan (55%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (55%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3075, 0.2162, 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 34.3075, 0.2162, 0.2013 by changing the saturation by 10% instead.


 34.3075, 0.2162,
0.2013

 34.3075, 0.2162,
0.2013


321.5010, 0.2646,
0.2625


 23.1299, 0.2046,
0.1873


 66.4116, 0.2335,
0.2227

 14.6895, 0.1901,
0.1703

 88.1069, 0.2401,
0.2310

 8.6017, 0.1718,
0.1492


 114.0768, 0.2457,
0.2381

 4.4823, 0.1481,
0.1230

144.7059, 0.2506,
0.2443

 1.9469, 0.1172,
0.0906

180.3785, 0.2548,
0.2497

 0.5763, 0.0782,
0.0498

221.4789, 0.2585,

 0.0000, 0.0000,

0.2545

0.0000

268.3916, 0.2617,
0.2587

■ 34.3075, 0.2162,
0.2013

■ 34.3075, 0.2162,
0.2013

■ 27.1963, 0.1989,
0.1737

■ 42.8145, 0.2346,
0.2286

■ 21.3962, 0.1837,
0.1471

■ 52.7882, 0.2533,
0.2546

■ 16.8172, 0.1714,
0.1229

■ 64.2981, 0.2716,
0.2788

■ 13.3534, 0.1626,
0.1022

■ 77.4085, 0.2890,
0.3007

■ 11.9496, 0.1592,
0.0932

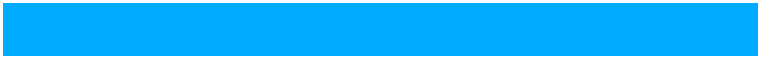
■ 92.1794, 0.3053,
0.3203

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



34.3075, 0.1771, 0.2112



34.3075, 0.2162, 0.2013



34.3075, 0.2848, 0.2173

Triad

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



34.3075, 0.2162, 0.2013



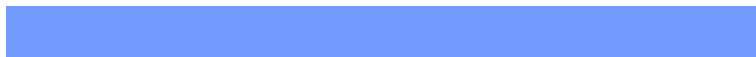
34.3075, 0.4829, 0.3688



34.3075, 0.2435, 0.4234

Complementary

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



34.3075, 0.2162, 0.2013



71.1374, 0.4132, 0.4282

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.



34.3075, 0.3209, 0.4838



34.3075, 0.2162, 0.2013



34.3075, 0.4612, 0.4301

Square

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



34.3075, 0.2162, 0.2013



34.3075, 0.4503, 0.3082



34.3075, 0.4004, 0.4785



34.3075, 0.1893, 0.3289

Rectangle

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



34.3075, 0.2162, 0.2013



34.3075, 0.3427, 0.2404



34.3075, 0.4004, 0.4785



34.3075, 0.2676, 0.4501

Sweetspot

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



34.3087, 0.2162, 0.2013



75.8511, 0.2871, 0.2983



79.9663, 0.2608, 0.3802



15.6371, 0.2836, 0.2940



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.



34.3087, 0.2162, 0.2013



26.4785, 0.1971, 0.1707



25.3442, 0.2242, 0.1599



18.2215, 0.2979, 0.3115



6.4629, 0.1600, 0.0960



0.8060, 0.1660, 0.1176

Inverse Universe

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



35.9035, 0.4287, 0.2888



29.7690, 0.4677, 0.2843



89.0825, 0.3725, 0.4705



18.0723, 0.3249, 0.3222



11.3804, 0.5820, 0.2980



1.1259, 0.5500, 0.2804

Previews

White Background



This preview shows how the Yxy color 34.3075, 0.2162, 0.2013 looks on a white background.

Color Contrast Check

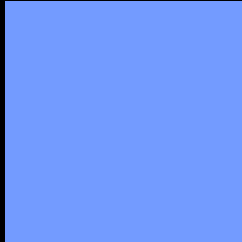
Large Text (above 18pt) WCAG AA × Fail

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 34.3075, 0.2162, 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

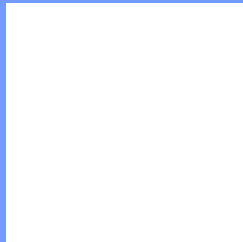
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3075, 0.2162, 0.2013

Background



This preview shows how black text looks on a background with the Yxy color 34.3075, 0.2162, 0.2013.



This preview shows how white text looks on a background with the Yxy color 34.3075, 0.2162, 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

34.3075, 0.2162, 0.2013

Protanopia

34.1889, 0.2184, 0.2015

Deuteranopia

34.3188, 0.2103, 0.2040



Tritanopia

34.3340, 0.2423, 0.3065

Trichromacy



Original Color

34.3075, 0.2162, 0.2013

Protanomaly

34.1185, 0.2179, 0.2014

Deuteranomaly

34.2730, 0.2122, 0.2034

Tritanomaly

34.1601, 0.2313, 0.2622

Monochromacy



Original Color

34.3075, 0.2162, 0.2013

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4482, 0.2690, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3075, 0.2162, 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(115, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 155, 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(115, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.3075, 0.2162, 0.2013 is called "border". The border property can be set on classes, ids or directly on the HTML element.

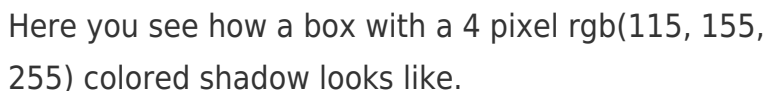
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 155, 255) }
```

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

```
.border{ border-color:rgb(115, 155, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3075, 0.2162, 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(115, 155, 255) }
```

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

```
.background{ background-color: rgb(115,  
155, 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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