

Converting Colors

$Y_{xy}(35.0609, 0.2140, 0.1990)$

Have a look what the booklet for
Yxy(35.0609, 0.2140, 0.1990)
contains.

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Color

Yxy(34.9113, 0.2162, 0.2037)

Conversions

Conversions Part 1

Format	Color
Hex	729DFF
RGB	114, 157, 255
RGB Percent	45%, 62%, 100%
CMY	0.5528, 0.3844, 0.0000
CMYK	0.55, 0.38, 0.00, 0.00
HSL	222°, 100%, 72%
HSV	222°, 55%, 100%
XYZ	37.0536, 34.9113, 99.4209
YIQ	155.3150, -57.0860, 21.3620

Conversions

Conversions Part 2

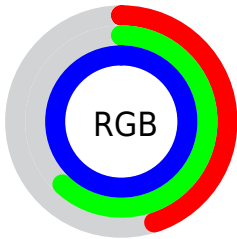
Format	Color
RYB	114, 147, 255
Decimal	7511551
CIELab	65.68, 13.19, -53.20
CIElCh	66, 54.814, 283.926
Yxy	34.9113, 0.2162, 0.2037
Android (android.graphics.Color)	4285701631 (0xFF729DFF)
YUV	155.3150, 49.1447, -36.2333
Hunter-Lab	59.0858, 8.5400, -58.4045

Details

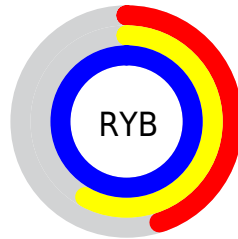
The Yxy color **34.9113, 0.2162, 0.2037** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.5872, 0.4156, 0.4264**, and the grayscale version is **32.7244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8072, 0.2611, 0.2788**, and **14.9896, 0.1900, 0.1724** is the 20% darker color. If you saturate the color by 10%, you get **27.8615, 0.1992, 0.1768**, and if you desaturate by 10%, it is **43.3063, 0.2344, 0.2303**.

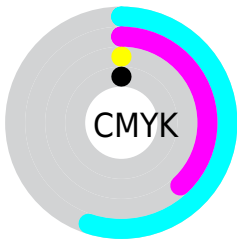
Distribution



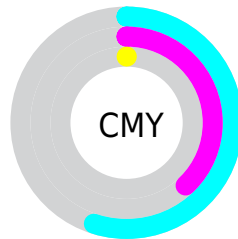
- Red (45%)
- Green (62%)
- Blue (100%)



- Red (45%)
- Yellow (58%)
- Blue (100%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9113, 0.2162, 0.2037 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 34.9113, 0.2162, 0.2037 by changing the saturation by 10% instead.


 34.9113, 0.2162,
0.2037


 34.9113, 0.2162,
0.2037


324.1766, 0.2644,
0.2639

 23.5946, 0.2047,
0.1899


 67.3483, 0.2334,
0.2247

 15.0331, 0.1903,
0.1731


 89.2374, 0.2400,
0.2329

 8.8426, 0.1720,
0.1523


 115.4194, 0.2456,
0.2399

 4.6387, 0.1485,
0.1263

146.2787, 0.2504,
0.2459

 2.0369, 0.1179,
0.0941

182.1996, 0.2546,
0.2513

 0.6288, 0.0790,
0.0539

223.5667, 0.2583,

 0.0000, 0.0000,

0.2560

0.0000

270.7642, 0.2615,
0.2601

■ 34.9113, 0.2162,
0.2037

■ 34.9113, 0.2162,
0.2037

■ 27.8615, 0.1992,
0.1768

■ 43.3063, 0.2344,
0.2303

■ 22.0817, 0.1843,
0.1507

■ 53.1205, 0.2528,
0.2557

■ 17.4835, 0.1722,
0.1267

■ 64.4186, 0.2710,
0.2793

■ 13.9650, 0.1636,
0.1061

■ 77.2621, 0.2883,
0.3007

■ 12.6260, 0.1605,
0.0976

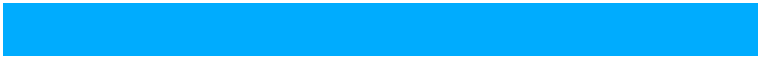
■ 91.7085, 0.3046,
0.3198

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.9113, 0.1788, 0.2147



34.9113, 0.2162, 0.2037



34.9113, 0.2824, 0.2184

Triad

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



34.9113, 0.2162, 0.2037



34.9113, 0.4787, 0.3662



34.9113, 0.2479, 0.4241

Complementary

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



34.9113, 0.2162, 0.2037



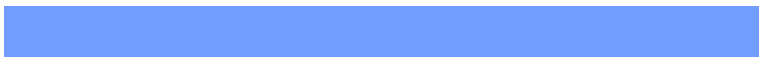
69.5872, 0.4156, 0.4264

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.



34.9113, 0.3242, 0.4807



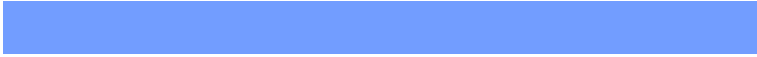
34.9113, 0.2162, 0.2037



34.9113, 0.4599, 0.4263

Square

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



34.9113, 0.2162, 0.2037



34.9113, 0.4447, 0.3067



34.9113, 0.4017, 0.4740



34.9113, 0.1934, 0.3327

Rectangle

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



34.9113, 0.2162, 0.2037



34.9113, 0.3387, 0.2406



34.9113, 0.4017, 0.4740



34.9113, 0.2719, 0.4494

Sweetspot

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



34.9103, 0.2162, 0.2037



74.9392, 0.2854, 0.2971



79.7712, 0.2616, 0.3837



15.4724, 0.2820, 0.2929



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.



34.9103, 0.2162, 0.2037



27.4033, 0.1981, 0.1749



24.8284, 0.2217, 0.1579



18.2802, 0.2979, 0.3120



6.8264, 0.1612, 0.1004



0.8476, 0.1674, 0.1224

Inverse Universe

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



35.7372, 0.4266, 0.2858



29.8623, 0.4630, 0.2810



89.4196, 0.3745, 0.4706



18.0782, 0.3246, 0.3218



11.4171, 0.5752, 0.2942



1.1301, 0.5432, 0.2766

Previews

White Background



This preview shows how the Yxy color 34.9113, 0.2162, 0.2037 looks on a white background.

Color Contrast Check

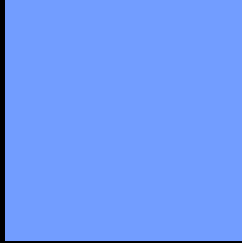
Large Text (above 18pt) WCAG AA × Fail

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 34.9113, 0.2162, 0.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

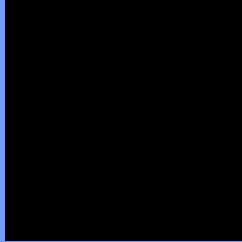
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

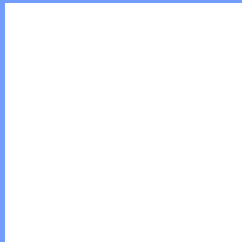
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9113, 0.2162, 0.2037

Background



This preview shows how black text looks on a background with the Yxy color 34.9113, 0.2162, 0.2037.



This preview shows how white text looks on a background with the Yxy color 34.9113, 0.2162, 0.2037.

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

34.9113, 0.2162, 0.2037

Protanopia

34.9976, 0.2200, 0.2044

Deuteranopia

34.8356, 0.2119, 0.2057



Tritanopia

35.0825, 0.2419, 0.3082

Trichromacy



Original Color

34.9113, 0.2162, 0.2037

Protanomaly

34.7842, 0.2184, 0.2040

Deuteranomaly

34.7353, 0.2135, 0.2050

Tritanomaly

34.8320, 0.2314, 0.2653

Monochromacy



Original Color

34.9113, 0.2162, 0.2037

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.1140, 0.2693, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9113, 0.2162, 0.2037 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(114, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 157, 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(114, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.9113, 0.2162, 0.2037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

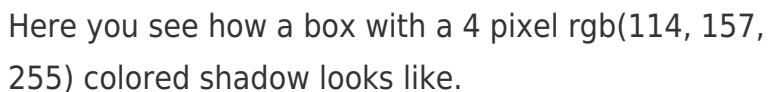
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 157, 255) }
```

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

```
.border{ border-color:rgb(114, 157, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 157, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 157, 255); box-shadow:4px 4px 4px 4px rgb(114, 157, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9113, 0.2162, 0.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 157, 255) }
```

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

```
.background{ background-color: rgb(114,  
157, 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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