

Converting Colors

$Y_{xy}(35.9521, 0.2182, 0.2056)$

Have a look what the booklet for
Yxy(35.9521, 0.2182, 0.2056)
contains.

Yxy(35.8678, 0.2188, 0.2069)	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(35.8678, 0.2188, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	769FFF
RGB	118, 159, 255
RGB Percent	46%, 62%, 100%
CMY	0.5370, 0.3765, 0.0000
CMYK	0.54, 0.38, 0.00, 0.00
HSL	222°, 100%, 73%
HSV	222°, 54%, 100%
XYZ	37.9308, 35.8678, 99.5596
YIQ	157.6850, -55.2520, 21.1640

Conversions

Conversions Part 2

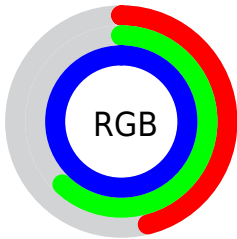
Format	Color
RYB	118, 150, 255
Decimal	7774207
CIELab	66.42, 12.87, -52.02
CIElCh	66, 53.586, 283.891
Yxy	35.8678, 0.2188, 0.2069
Android (android.graphics.Color)	4285964287 (0xFF769FFF)
YUV	157.6850, 47.9763, -34.8037
Hunter-Lab	59.8897, 8.2448, -56.6398

Details

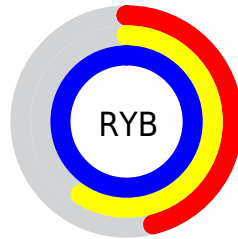
The Yxy color **35.8678, 0.2188, 0.2069** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.7118, 0.4119, 0.4247**, and the grayscale version is **33.8453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1556, 0.2631, 0.2814**, and **15.5866, 0.1936, 0.1767** is the 20% darker color. If you saturate the color by 10%, you get **28.6042, 0.2015, 0.1798**, and if you desaturate by 10%, it is **44.5017, 0.2371, 0.2336**.

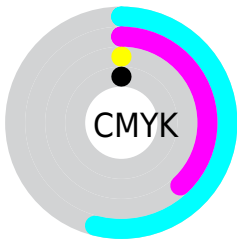
Distribution



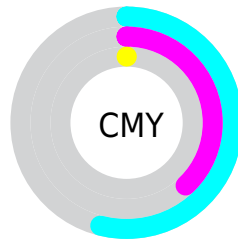
- Red (46%)
- Green (62%)
- Blue (100%)



- Red (46%)
- Yellow (59%)
- Blue (100%)



- Cyan (54%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8678, 0.2188, 0.2069 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 35.8678, 0.2188, 0.2069 by changing the saturation by 10% instead.


 35.8678, 0.2188,
0.2069


 35.8678, 0.2188,
0.2069


328.3824, 0.2656,
0.2655

 24.3321, 0.2076,
0.1935


 68.8280, 0.2355,
0.2274

 15.5802, 0.1936,
0.1771


 91.0212, 0.2419,
0.2353

 9.2276, 0.1759,
0.1567


 117.5358, 0.2474,
0.2421

 4.8899, 0.1529,
0.1312

148.7561, 0.2521,
0.2480

 2.1828, 0.1229,
0.0993

185.0665, 0.2561,
0.2532

 0.7106, 0.0842,
0.0599

226.8515, 0.2597,

 0.0000, 0.0000,

0.2578

0.0000

274.4953, 0.2628,
0.2618

■ 35.8678, 0.2188,
0.2069

■ 35.8678, 0.2188,
0.2069

■ 28.6042, 0.2015,
0.1798

■ 44.5017, 0.2371,
0.2336

■ 22.6358, 0.1861,
0.1533

■ 54.5800, 0.2557,
0.2590

■ 17.8748, 0.1735,
0.1288

■ 66.1675, 0.2738,
0.2824

■ 14.2207, 0.1643,
0.1076

■ 79.3258, 0.2910,
0.3036

■ 12.4134, 0.1601,
0.0962

■ 94.1130, 0.3071,
0.3226

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.



35.8678, 0.1822, 0.2179



35.8678, 0.2188, 0.2069



35.8678, 0.2834, 0.2212

Triad

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



35.8678, 0.2188, 0.2069



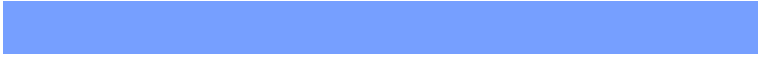
35.8678, 0.4738, 0.3658



35.8678, 0.2501, 0.4209

Complementary

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



35.8678, 0.2188, 0.2069



70.7118, 0.4119, 0.4247

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.



35.8678, 0.3245, 0.4755



35.8678, 0.2188, 0.2069



35.8678, 0.4560, 0.4242

Square

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



35.8678, 0.2188, 0.2069



35.8678, 0.4405, 0.3076



35.8678, 0.3998, 0.4699



35.8678, 0.1968, 0.3330

Rectangle

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



35.8678, 0.2188, 0.2069



35.8678, 0.3379, 0.2429



35.8678, 0.3998, 0.4699



35.8678, 0.2735, 0.4452

Sweetspot

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



35.8668, 0.2188, 0.2069



76.1505, 0.2871, 0.2989



80.2281, 0.2615, 0.3789



15.7079, 0.2836, 0.2946



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.



35.8668, 0.2188, 0.2069



28.4034, 0.2010, 0.1790



26.2570, 0.2264, 0.1638



18.2622, 0.2979, 0.3118



6.7121, 0.1609, 0.0990



0.8346, 0.1669, 0.1210

Inverse Universe

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



36.7377, 0.4225, 0.2876



30.7895, 0.4573, 0.2826



89.2610, 0.3716, 0.4678



18.0764, 0.3247, 0.3219



11.4055, 0.5773, 0.2954



1.1288, 0.5453, 0.2778

Previews

White Background



This preview shows how the Yxy color 35.8678, 0.2188, 0.2069 looks on a white background.

Color Contrast Check

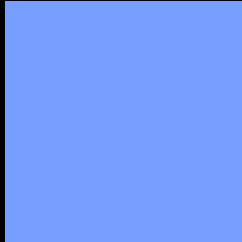
Large Text (above 18pt) WCAG AA × Fail

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 35.8678, 0.2188, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

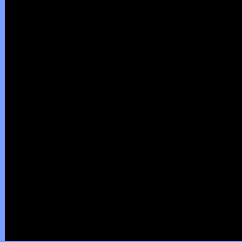
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

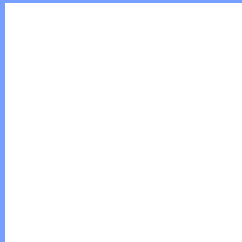
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8678, 0.2188, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 35.8678, 0.2188, 0.2069.



This preview shows how white text looks on a background with the Yxy color 35.8678, 0.2188, 0.2069.

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

35.8678, 0.2188, 0.2069

Protanopia

35.9695, 0.2227, 0.2077

Deuteranopia

35.9609, 0.2149, 0.2083



Tritanopia

35.8547, 0.2442, 0.3069

Trichromacy



Original Color

35.8678, 0.2188, 0.2069

Protanomaly

35.7471, 0.2211, 0.2072

Deuteranomaly

35.8064, 0.2160, 0.2074

Tritanomaly

35.6423, 0.2338, 0.2647

Monochromacy



Original Color

35.8678, 0.2188, 0.2069

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.1436, 0.2706, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8678, 0.2188, 0.2069 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(118, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 159, 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(118, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.8678, 0.2188, 0.2069 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(118, 159, 255) }
```

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

```
.border{ border-color:rgb(118, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8678, 0.2188, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 159, 255) }
```

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

```
.background{ background-color: rgb(118,  
159, 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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