

Converting Colors

$Yxy(38.8786, 0.2026, 0.1981)$

Have a look what the booklet for
Yxy(38.8786, 0.2026, 0.1981)
contains.

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Color

Yxy(37.4494, 0.2093, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	5BA8FF
RGB	91, 168, 255
RGB Percent	36%, 66%, 100%
CMY	0.6435, 0.3411, 0.0001
CMYK	0.64, 0.34, 0.00, 0.00
HSL	212°, 100%, 68%
HSV	212°, 64%, 100%
XYZ	36.3551, 37.4494, 99.8940
YIQ	154.8950, -73.8190, 10.7330

Conversions

Conversions Part 2

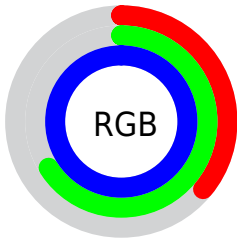
Format	Color
RYB	91, 143, 255
Decimal	6007039
CIELab	67.61, 2.55, -50.18
CIELCh	68, 50.242, 272.908
Yxy	37.4494, 0.2093, 0.2156
Android (android.graphics.Color)	4284197119 (0xFF5BA8FF)
YUV	154.8950, 49.3518, -56.0359
Hunter-Lab	61.1959, -1.0501, -53.9457

Details

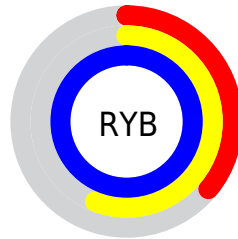
The Yxy color **37.4494, 0.2093, 0.2156** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **53.7885, 0.4541, 0.4140**, and the grayscale version is **32.5225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8654, 0.2521, 0.2919**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.6357, 0.1962, 0.1946**, and if you desaturate by 10%, it is **44.2238, 0.2242, 0.2364**.

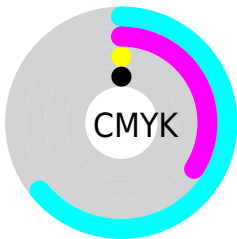
Distribution



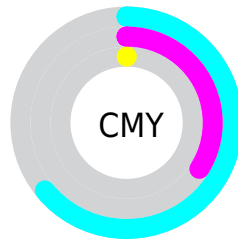
- Red (36%)
- Green (66%)
- Blue (100%)



- Red (36%)
- Yellow (56%)
- Blue (100%)



- Cyan (64%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4494, 0.2093, 0.2156 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 37.4494, 0.2093, 0.2156 by changing the saturation by 10% instead.


 37.4494, 0.2093,
0.2156


 37.4494, 0.2093,
0.2156


335.2521, 0.2600,
0.2707

 25.5556, 0.1974,
0.2028


 71.2634, 0.2272,
0.2350


 16.4915, 0.1827,
0.1870


 93.9525, 0.2341,
0.2425

 9.8726, 0.1642,
0.1672


 121.0087, 0.2400,
0.2489

 5.3146, 0.1407,
0.1421

 152.8166, 0.2451,
0.2545

 2.4330, 0.1104,
0.1102

189.7605, 0.2495,
0.2593

 0.8428, 0.0724,
0.0707

232.2248, 0.2534,

 0.0000, 0.0000,

0.2636

0.0000

280.5938, 0.2569,
0.2674

■ 37.4494, 0.2093,
0.2156

■ 37.4494, 0.2093,
0.2156

■ 31.6357, 0.1962,
0.1946

■ 44.2238, 0.2242,
0.2364

■ 26.7165, 0.1854,
0.1742

■ 52.0105, 0.2402,
0.2565

■ 22.6194, 0.1772,
0.1548

■ 60.8608, 0.2569,
0.2754

■ 20.6149, 0.1735,
0.1445

■ 70.8209, 0.2736,
0.2930

■ 81.9338, 0.2901,
0.3089

94.2400, 0.3060,
0.3233

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



37.4494, 0.1846, 0.2364



37.4494, 0.2093, 0.2156



37.4494, 0.2609, 0.2205

Triad

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



37.4494, 0.2093, 0.2156



37.4494, 0.4561, 0.3443



37.4494, 0.2793, 0.4373

Complementary

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



37.4494, 0.2093, 0.2156



53.7885, 0.4541, 0.4140

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.



37.4494, 0.3514, 0.4682



37.4494, 0.2093, 0.2156



37.4494, 0.4572, 0.3999

Square

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



37.4494, 0.2093, 0.2156



37.4494, 0.4088, 0.2909



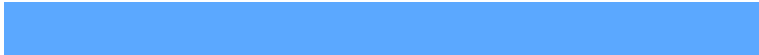
37.4494, 0.4168, 0.4480



37.4494, 0.2201, 0.3631

Rectangle

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



37.4494, 0.2093, 0.2156



37.4494, 0.3080, 0.2362



37.4494, 0.4168, 0.4480



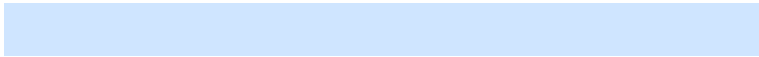
37.4494, 0.3028, 0.4538

Sweetspot

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



37.4507, 0.2093, 0.2156



76.6388, 0.2825, 0.3017



76.8415, 0.2690, 0.4319



15.7312, 0.2778, 0.2971



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.



37.4507, 0.2093, 0.2156



30.2547, 0.1931, 0.1891



17.0437, 0.1884, 0.1218



18.7857, 0.2979, 0.3161



11.0677, 0.1743, 0.1475



1.2941, 0.1802, 0.1688

Inverse Universe

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



31.5475, 0.4197, 0.2545



26.5847, 0.4529, 0.2489



92.9940, 0.4002, 0.4779



18.1292, 0.3220, 0.3179



11.8453, 0.5092, 0.2578



1.1752, 0.4821, 0.2429

Previews

White Background



This preview shows how the Yxy color 37.4494, 0.2093, 0.2156 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 37.4494, 0.2093, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

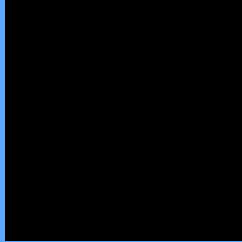
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

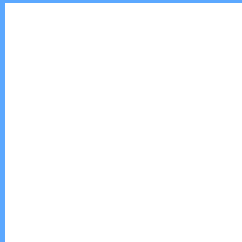
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4494, 0.2093, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 37.4494, 0.2093, 0.2156.

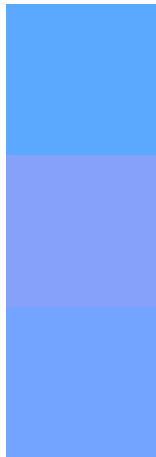


This preview shows how white text looks on a background with the Yxy color 37.4494, 0.2093, 0.2156.

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

37.4494, 0.2093, 0.2156

Protanopia

37.3158, 0.2303, 0.2175

Deuteranopia

37.4158, 0.2186, 0.2131



Tritanopia

37.4822, 0.2273, 0.3052

Trichromacy



Original Color

37.4494, 0.2093, 0.2156

Protanomaly

37.3675, 0.2219, 0.2173

Deuteranomaly

37.1944, 0.2147, 0.2132

Tritanomaly

37.3625, 0.2197, 0.2684

Monochromacy



Original Color

37.4494, 0.2093, 0.2156

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.8087, 0.2636, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4494, 0.2093, 0.2156 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(91, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 168, 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(91, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4494, 0.2093, 0.2156 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(91, 168, 255) }
```

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

```
.border{ border-color:rgb(91, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4494, 0.2093, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 168, 255) }
```

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

```
.background{ background-color: rgb(91, 168,  
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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