

Converting Colors

$Y_{xy}(37.9042, 0.2102, 0.2114)$

Have a look what the booklet for
Yxy(37.9042, 0.2102, 0.2114)
contains.

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Color

Yxy(37.4541, 0.2118, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	62A7FF
RGB	98, 167, 255
RGB Percent	38%, 65%, 100%
CMY	0.6155, 0.3451, 0.0000
CMYK	0.62, 0.35, 0.00, 0.00
HSL	214°, 100%, 69%
HSV	214°, 62%, 100%
XYZ	36.9138, 37.4541, 99.9183
YIQ	156.4010, -69.3720, 12.7400

Conversions

Conversions Part 2

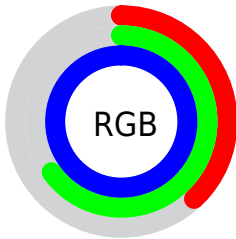
Format	Color
R _Y B	98, 146, 255
Decimal	6465535
CIE Lab	67.62, 4.38, -50.19
CIE LCh	68, 50.378, 274.992
Yxy	37.4541, 0.2118, 0.2149
Android (android.graphics.Color)	4284655615 (0xFF62A7FF)
YUV	156.4010, 48.6093, -51.2177
Hunter-Lab	61.1998, 0.5661, -53.9605

Details

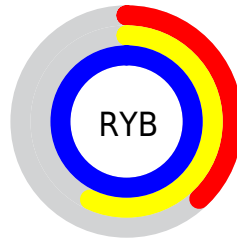
The Yxy color **37.4541, 0.2118, 0.2149** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **57.2902, 0.4431, 0.4160**, and the grayscale version is **33.2409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9361, 0.2550, 0.2910**, and **16.6067, 0.1858, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **31.3000, 0.1977, 0.1928**, and if you desaturate by 10%, it is **44.6377, 0.2275, 0.2368**.

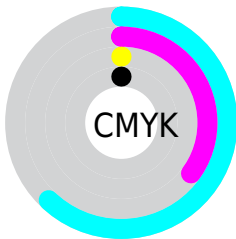
Distribution



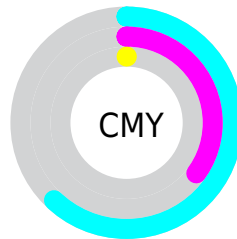
- Red (38%)
- Green (65%)
- Blue (100%)



- Red (38%)
- Yellow (57%)
- Blue (100%)



- Cyan (62%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4541, 0.2118, 0.2149 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 37.4541, 0.2118, 0.2149 by changing the saturation by 10% instead.


 37.4541, 0.2118,
0.2149


 37.4541, 0.2118,
0.2149


335.2724, 0.2614,
0.2702


 25.5593, 0.2001,
0.2021


 71.2706, 0.2294,
0.2343


 16.4942, 0.1857,
0.1863


 93.9611, 0.2361,
0.2419

 9.8746, 0.1675,
0.1665


 121.0190, 0.2419,
0.2483

 5.3159, 0.1441,
0.1415

 152.8286, 0.2468,
0.2539

 2.4338, 0.1141,
0.1097

189.7744, 0.2512,
0.2587

 0.8432, 0.0760,
0.0704

232.2406, 0.2550,

 0.0000, 0.0000,

0.2630

0.0000

280.6118, 0.2584,
0.2668

■ 37.4541, 0.2118,
0.2149

■ 37.4541, 0.2118,
0.2149

■ 31.3000, 0.1977,
0.1928

■ 44.6377, 0.2275,
0.2368

■ 26.1144, 0.1859,
0.1711

■ 52.9098, 0.2442,
0.2579

■ 21.8231, 0.1766,
0.1506

■ 62.3215, 0.2612,
0.2776

■ 18.8080, 0.1708,
0.1347

■ 72.9206, 0.2782,
0.2957

■ 84.7520, 0.2946,
0.3122

97.8580, 0.3104,
0.3269

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.



37.4541, 0.1851, 0.2338



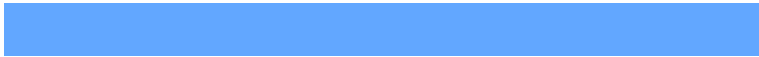
37.4541, 0.2118, 0.2149



37.4541, 0.2653, 0.2215

Triad

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



37.4541, 0.2118, 0.2149



37.4541, 0.4581, 0.3481



37.4541, 0.2744, 0.4334

Complementary

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



37.4541, 0.2118, 0.2149



57.2902, 0.4431, 0.4160

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.



37.4541, 0.3464, 0.4683



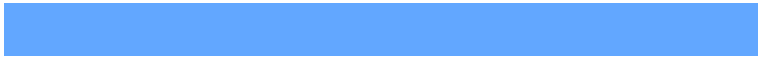
37.4541, 0.2118, 0.2149



37.4541, 0.4559, 0.4038

Square

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



37.4541, 0.2118, 0.2149



37.4541, 0.4136, 0.2943



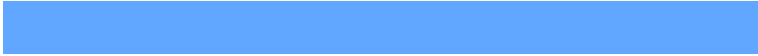
37.4541, 0.4131, 0.4509



37.4541, 0.2167, 0.3575

Rectangle

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



37.4541, 0.2118, 0.2149



37.4541, 0.3133, 0.2381



37.4541, 0.4131, 0.4509



37.4541, 0.2978, 0.4512

Sweetspot

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



37.4533, 0.2118, 0.2149



76.9724, 0.2841, 0.3018



77.5964, 0.2675, 0.4194



15.7611, 0.2792, 0.2968



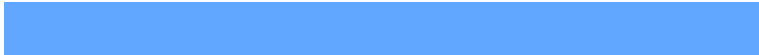
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.4533, 0.2118, 0.2149



29.9403, 0.1946, 0.1874



19.0247, 0.1967, 0.1320



18.6906, 0.2979, 0.3153



10.1131, 0.1716, 0.1377



1.1978, 0.1777, 0.1596

Inverse Universe

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



32.7959, 0.4190, 0.2613



27.3672, 0.4536, 0.2552



92.2049, 0.3939, 0.4755



18.1196, 0.3225, 0.3186



11.7489, 0.5222, 0.2650



1.1655, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 37.4541, 0.2118, 0.2149 looks on a white background.

Color Contrast Check

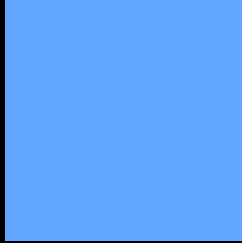
Large Text (above 18pt) WCAG AA × Fail

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 37.4541, 0.2118, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

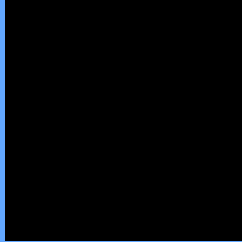
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

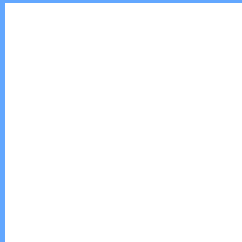
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4541, 0.2118, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 37.4541, 0.2118, 0.2149.



This preview shows how white text looks on a background with the Yxy color 37.4541, 0.2118, 0.2149.

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

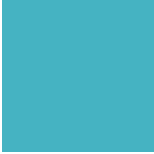
37.4541, 0.2118, 0.2149

Protanopia

37.2974, 0.2292, 0.2164

Deuteranopia

37.4839, 0.2191, 0.2132



Tritanopia

37.4005, 0.2312, 0.3054

Trichromacy



Original Color

37.4541, 0.2118, 0.2149

Protanomaly

37.2157, 0.2222, 0.2153

Deuteranomaly

37.3815, 0.2160, 0.2136

Tritanomaly

37.3233, 0.2234, 0.2687

Monochromacy



Original Color

37.4541, 0.2118, 0.2149

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0983, 0.2652, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4541, 0.2118, 0.2149 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(98, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 167, 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(98, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4541, 0.2118, 0.2149 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(98, 167, 255) }
```

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

```
.border{ border-color:rgb(98, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4541, 0.2118, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 167, 255) }
```

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

```
.background{ background-color: rgb(98, 167,  
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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