

Converting Colors

$Y_{xy}(37.9445, 0.1952, 0.1604)$

Have a look what the booklet for
Yxy(37.9445, 0.1952, 0.1604)
contains.

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Color

Yxy(33.9139, 0.2132, 0.2004)

Conversions

Conversions Part 1

Format	Color
Hex	6D9BFF
RGB	109, 155, 255
RGB Percent	43%, 61%, 100%
CMY	0.5723, 0.3922, 0.0001
CMYK	0.57, 0.39, 0.00, 0.00
HSL	221°, 100%, 71%
HSV	221°, 57%, 100%
XYZ	36.0801, 33.9139, 99.2371
YIQ	152.6460, -59.5160, 21.3480

Conversions

Conversions Part 2

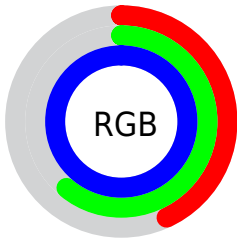
Format	Color
R _Y B	109, 144, 255
Decimal	7183359
CIE Lab	64.89, 13.35, -54.44
CIE LCh	65, 56.051, 283.779
Yxy	33.9139, 0.2132, 0.2004
Android (android.graphics.Color)	4285373439 (0xFF6D9BFF)
YUV	152.6460, 50.4605, -38.2775
Hunter-Lab	58.2356, 8.6778, -60.2688

Details

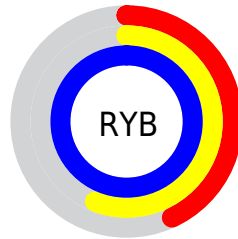
The Yxy color **33.9139, 0.2132, 0.2004** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.9834, 0.4205, 0.4279**, and the grayscale version is **31.4953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2559, 0.2578, 0.2761**, and **14.3899, 0.1860, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **27.1244, 0.1967, 0.1739**, and if you desaturate by 10%, it is **42.0160, 0.2311, 0.2268**.

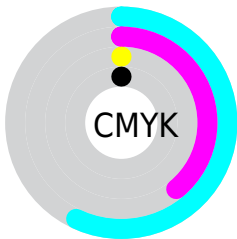
Distribution



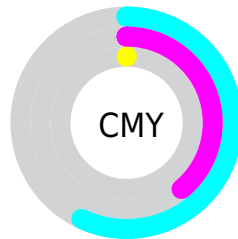
- Red (43%)
- Green (61%)
- Blue (100%)



- Red (43%)
- Yellow (56%)
- Blue (100%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9139, 0.2132, 0.2004 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 33.9139, 0.2132, 0.2004 by changing the saturation by 10% instead.


 33.9139, 0.2132,
0.2004


 33.9139, 0.2132,
0.2004


319.7480, 0.2630,
0.2622


 22.8275, 0.2013,
0.1863


 65.7998, 0.2310,
0.2220

 14.4662, 0.1865,
0.1690


 87.3680, 0.2378,
0.2304

 8.4456, 0.1677,
0.1478


 113.1989, 0.2436,
0.2376

 4.3814, 0.1435,
0.1213

143.6769, 0.2486,
0.2438

 1.8891, 0.1124,
0.0888

179.1864, 0.2529,
0.2493

 0.5418, 0.0734,
0.0473

220.1119, 0.2567,

 0.0000, 0.0000,

0.2541

0.0000

266.8376, 0.2600,
0.2584

■ 33.9139, 0.2132,
0.2004

■ 33.9139, 0.2132,
0.2004

■ 27.1244, 0.1967,
0.1739

■ 42.0160, 0.2311,
0.2268

■ 21.5662, 0.1823,
0.1483

■ 51.4978, 0.2494,
0.2521

■ 17.1529, 0.1709,
0.1249

■ 62.4257, 0.2676,
0.2756

■ 13.7792, 0.1629,
0.1049

■ 74.8603, 0.2851,
0.2971

■ 12.9965, 0.1611,
0.1000

■ 88.8586, 0.3015,
0.3164

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



33.9139, 0.1752, 0.2116



33.9139, 0.2132, 0.2004



33.9139, 0.2809, 0.2154

Triad

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



33.9139, 0.2132, 0.2004



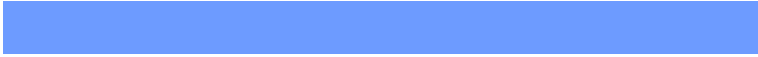
33.9139, 0.4838, 0.3662



33.9139, 0.2460, 0.4280

Complementary

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



33.9139, 0.2132, 0.2004



67.9834, 0.4205, 0.4279

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.



33.9139, 0.3244, 0.4862



33.9139, 0.2132, 0.2004



33.9139, 0.4641, 0.4280

Square

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



33.9139, 0.2132, 0.2004



33.9139, 0.4486, 0.3054



33.9139, 0.4041, 0.4780



33.9139, 0.1902, 0.3329

Rectangle

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



33.9139, 0.2132, 0.2004



33.9139, 0.3389, 0.2380



33.9139, 0.4041, 0.4780



33.9139, 0.2706, 0.4543

Sweetspot

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



33.9150, 0.2132, 0.2004



75.1765, 0.2855, 0.2976



79.3560, 0.2605, 0.3860



15.5281, 0.2820, 0.2935



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.



33.9150, 0.2132, 0.2004



26.0573, 0.1939, 0.1692



23.3861, 0.2180, 0.1515



18.3108, 0.2979, 0.3122



7.0263, 0.1619, 0.1029



0.8701, 0.1681, 0.1250

Inverse Universe

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



34.5722, 0.4310, 0.2831



28.5928, 0.4712, 0.2785



89.1460, 0.3761, 0.4749



18.0813, 0.3245, 0.3215



11.4373, 0.5715, 0.2922



1.1324, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 33.9139, 0.2132, 0.2004 looks on a white background.

Color Contrast Check

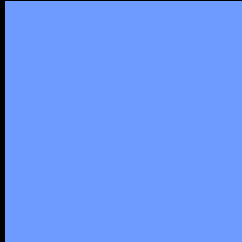
Large Text (above 18pt) WCAG AA × Fail

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 33.9139, 0.2132, 0.2004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

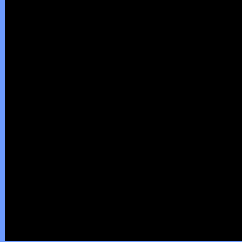
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9139, 0.2132, 0.2004

Background



This preview shows how black text looks on a background with the Yxy color 33.9139, 0.2132, 0.2004.



This preview shows how white text looks on a background with the Yxy color 33.9139, 0.2132, 0.2004.

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

33.9139, 0.2132, 0.2004

Protanopia

33.7201, 0.2171, 0.1999

Deuteranopia

33.8111, 0.2087, 0.2023



Tritanopia

33.9156, 0.2378, 0.3062

Trichromacy



Original Color

33.9139, 0.2132, 0.2004

Protanomaly

33.8444, 0.2158, 0.2007

Deuteranomaly

33.6994, 0.2101, 0.2015

Tritanomaly

33.7876, 0.2277, 0.2616

Monochromacy



Original Color

33.9139, 0.2132, 0.2004

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.1473, 0.2673, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9139, 0.2132, 0.2004 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(109, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.9139, 0.2132, 0.2004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

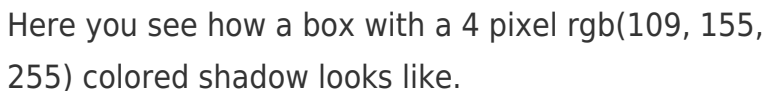
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 155, 255) }
```

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

```
.border{ border-color:rgb(109, 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(109, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9139, 0.2132, 0.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 155, 255) }
```

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

```
.background{ background-color: rgb(109,  
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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