

Converting Colors

$Y_{xy}(33.0035, 0.2105, 0.1972)$

Have a look what the booklet for
Yxy(33.0035, 0.2105, 0.1972)
contains.

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Color

Yxy(33.0057, 0.2107, 0.1972)

Conversions

Conversions Part 1

Format	Color
Hex	6999FF
RGB	105, 153, 255
RGB Percent	41%, 60%, 100%
CMY	0.5882, 0.4000, 0.0001
CMYK	0.59, 0.40, 0.00, 0.00
HSL	221°, 100%, 71%
HSV	221°, 59%, 100%
XYZ	35.2652, 33.0057, 99.1008
YIQ	150.2760, -61.3500, 21.5460

Conversions

Conversions Part 2

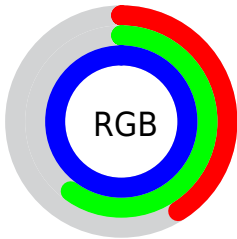
Format	Color
RYB	105, 141, 255
Decimal	6920703
CIELab	64.17, 13.74, -55.61
CIELCh	64, 57.279, 283.884
Yxy	33.0057, 0.2107, 0.1972
Android (android.graphics.Color)	4285110783 (0xFF6999FF)
YUV	150.2760, 51.6289, -39.7071
Hunter-Lab	57.4506, 9.0311, -62.0583

Details

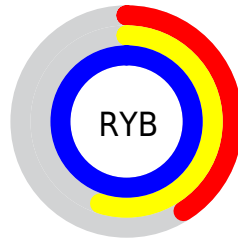
The Yxy color **33.0057, 0.2107, 0.1972** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.9001, 0.4242, 0.4294**, and the grayscale version is **30.4212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9526, 0.2558, 0.2734**, and **14.0537, 0.1834, 0.1654** is the 20% darker color. If you saturate the color by 10%, you get **26.4173, 0.1945, 0.1709**, and if you desaturate by 10%, it is **40.8837, 0.2283, 0.2235**.

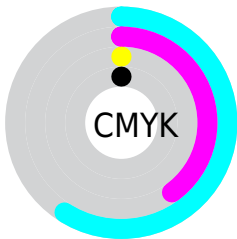
Distribution



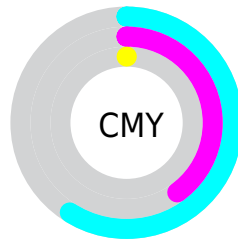
- Red (41%)
- Green (60%)
- Blue (100%)



- Red (41%)
- Yellow (55%)
- Blue (100%)



- Cyan (59%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0057, 0.2107, 0.1972 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 33.0057, 0.2107, 0.1972 by changing the saturation by 10% instead.


 33.0057, 0.2107,
0.1972


 33.0057, 0.2107,
0.1972


315.6754, 0.2619,
0.2606

 22.1308, 0.1985,
0.1827


 64.3844, 0.2290,
0.2193

 13.9531, 0.1833,
0.1651


 85.6571, 0.2360,
0.2279

 8.0880, 0.1640,
0.1434


 111.1644, 0.2419,
0.2353

 4.1513, 0.1394,
0.1166

141.2908, 0.2470,
0.2417

 1.7586, 0.1077,
0.0838

176.4207, 0.2515,
0.2473

 0.4611, 0.0686,
0.0409

216.9386, 0.2554,

 0.0000, 0.0000,

0.2523

0.0000

263.2286, 0.2588,
0.2567

■ 33.0057, 0.2107,
0.1972

■ 33.0057, 0.2107,
0.1972

■ 26.4173, 0.1945,
0.1709

■ 40.8837, 0.2283,
0.2235

■ 21.0372, 0.1807,
0.1457

■ 50.1190, 0.2466,
0.2488

■ 16.7776, 0.1698,
0.1228

■ 60.7775, 0.2648,
0.2725

■ 13.5241, 0.1622,
0.1034

■ 72.9201, 0.2824,
0.2942

■ 13.1909, 0.1615,
0.1013

■ 86.6035, 0.2990,
0.3136

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



33.0057, 0.1719, 0.2083



33.0057, 0.2107, 0.1972



33.0057, 0.2801, 0.2127

Triad

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



33.0057, 0.2107, 0.1972



33.0057, 0.4889, 0.3666



33.0057, 0.2435, 0.4311

Complementary

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



33.0057, 0.2107, 0.1972



66.9001, 0.4242, 0.4294

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.



33.0057, 0.3239, 0.4915



33.0057, 0.2107, 0.1972



33.0057, 0.4678, 0.4301

Square

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



33.0057, 0.2107, 0.1972



33.0057, 0.4531, 0.3047



33.0057, 0.4057, 0.4822



33.0057, 0.1866, 0.3324

Rectangle

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



33.0057, 0.2107, 0.1972



33.0057, 0.3398, 0.2358



33.0057, 0.4057, 0.4822



33.0057, 0.2687, 0.4585

Sweetspot

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



33.0068, 0.2107, 0.1972



73.9866, 0.2838, 0.2958



78.9181, 0.2607, 0.3912



15.0385, 0.2788, 0.2898



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.



33.0068, 0.2107, 0.1972



25.1441, 0.1913, 0.1652



22.0731, 0.2132, 0.1457



18.3264, 0.2979, 0.3124



7.1309, 0.1623, 0.1042



0.8818, 0.1684, 0.1264

Inverse Universe

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



33.6634, 0.4351, 0.2815



27.8136, 0.4770, 0.2773



89.3471, 0.3790, 0.4774



18.0829, 0.3244, 0.3214



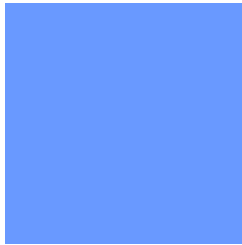
11.4478, 0.5697, 0.2912



1.1336, 0.5377, 0.2736

Previews

White Background



This preview shows how the Yxy color 33.0057, 0.2107, 0.1972 looks on a white background.

Color Contrast Check

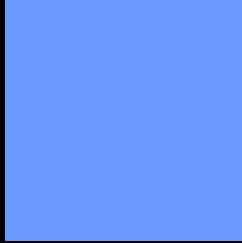
Large Text (above 18pt) WCAG AA × Fail

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 33.0057, 0.2107, 0.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

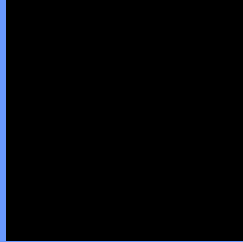
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

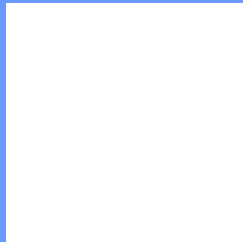
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0057, 0.2107, 0.1972

Background



This preview shows how black text looks on a background with the Yxy color 33.0057, 0.2107, 0.1972.



This preview shows how white text looks on a background with the Yxy color 33.0057, 0.2107, 0.1972.

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

33.0057, 0.2107, 0.1972

Protanopia

32.8664, 0.2150, 0.1968

Deuteranopia

33.2080, 0.2063, 0.2003



Tritanopia

32.8385, 0.2354, 0.3058

Trichromacy



Original Color

33.0057, 0.2107, 0.1972

Protanomaly

32.9917, 0.2137, 0.1977

Deuteranomaly

33.1398, 0.2080, 0.1996

Tritanomaly

32.7291, 0.2246, 0.2593

Monochromacy



Original Color

33.0057, 0.2107, 0.1972

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8324, 0.2658, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0057, 0.2107, 0.1972 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(105, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 153, 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(105, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.0057, 0.2107, 0.1972 is called "border". The border property can be set on classes, ids or directly on the HTML element.

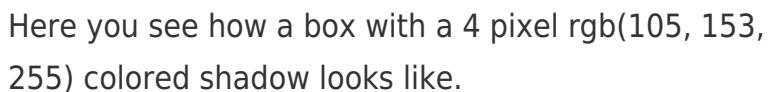
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 153, 255) }
```

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

```
.border{ border-color:rgb(105, 153, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0057, 0.2107, 0.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 153, 255) }
```

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

```
.background{ background-color: rgb(105,  
153, 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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