

Converting Colors

$Y_{xy}(33.2582, 0.2211, 0.2023)$

Have a look what the booklet for
Yxy(33.2582, 0.2211, 0.2023)
contains.

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Color

Yxy(33.1729, 0.2210, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	7A97FA
RGB	122, 151, 250
RGB Percent	48%, 59%, 98%
CMY	0.5217, 0.4078, 0.0195
CMYK	0.51, 0.40, 0.00, 0.02
HSL	226°, 93%, 73%
HSV	226°, 51%, 98%
XYZ	36.3471, 33.1729, 94.9465
YIQ	153.6150, -49.0630, 24.6410

Conversions

Conversions Part 2

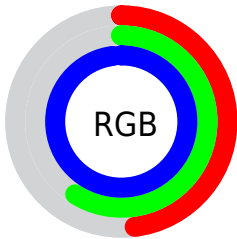
Format	Color
RYB	122, 146, 250
Decimal	8034298
CIELab	64.30, 16.80, -52.63
CIElCh	64, 55.241, 287.704
Yxy	33.1729, 0.2210, 0.2017
Android (android.graphics.Color)	4286224378 (0xFF7A97FA)
YUV	153.6150, 47.5178, -27.7264
Hunter-Lab	57.5959, 11.8533, -57.4221

Details

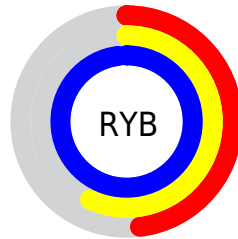
The Yxy color **33.1729, 0.2210, 0.2017** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.4397, 0.4019, 0.4290**, and the grayscale version is **31.9406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7064, 0.2645, 0.2724**, and **14.1183, 0.1955, 0.1709** is the 20% darker color. If you saturate the color by 10%, you get **25.8569, 0.2025, 0.1723**, and if you desaturate by 10%, it is **41.9809, 0.2403, 0.2307**.

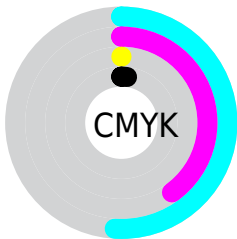
Distribution



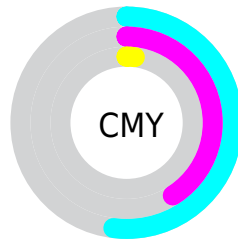
- Red (48%)
- Green (59%)
- Blue (98%)



- Red (48%)
- Yellow (57%)
- Blue (98%)



- Cyan (51%)
- Magenta (40%)
- Yellow (0%)
- Black (2%)




- Cyan (52%)
- Magenta (41%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1729, 0.2210, 0.2017 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 33.1729, 0.2210, 0.2017 by changing the saturation by 10% instead.

 33.1729, 0.2210,
0.2017


 33.1729, 0.2210,
0.2017


316.4281, 0.2675,
0.2630


 22.2589, 0.2097,
0.1876


 64.6454, 0.2378,
0.2231

 14.0473, 0.1955,
0.1704


 85.9727, 0.2441,
0.2314

 8.1536, 0.1773,
0.1491


 111.5399, 0.2495,
0.2386

 4.1934, 0.1536,
0.1225

141.7313, 0.2541,
0.2448

 1.7823, 0.1223,
0.0895

176.9315, 0.2582,
0.2502

 0.4761, 0.0822,
0.0454

217.5248, 0.2617,

 0.0000, 0.0000,

0.2549

0.0000

263.8955, 0.2648,
0.2592

■ 33.1729, 0.2210,
0.2017

■ 33.1729, 0.2210,
0.2017

■ 25.8569, 0.2025,
0.1723

■ 41.9809, 0.2403,
0.2307

■ 19.9432, 0.1858,
0.1438

■ 52.3567, 0.2595,
0.2582

■ 15.3366, 0.1720,
0.1180

■ 64.3748, 0.2779,
0.2836

■ 11.9274, 0.1619,
0.0965

■ 78.1039, 0.2951,
0.3064

■ 9.7988, 0.1561,
0.0817

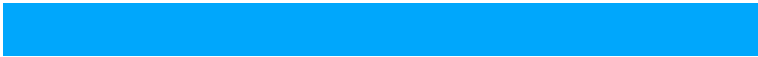
■ 93.6085, 0.3109,
0.3267

99.6835, 0.3156,
0.3338

Harmonies

Analogous

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



33.1729, 0.1792, 0.2092



33.1729, 0.2210, 0.2017



33.1729, 0.2919, 0.2197

Triad

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



33.1729, 0.2210, 0.2017



33.1729, 0.4831, 0.3742



33.1729, 0.2376, 0.4157

Complementary

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



33.1729, 0.2210, 0.2017



73.4397, 0.4019, 0.4290

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.



33.1729, 0.3137, 0.4812



33.1729, 0.2210, 0.2017



33.1729, 0.4572, 0.4352

Square

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



33.1729, 0.2210, 0.2017



33.1729, 0.4553, 0.3133



33.1729, 0.3940, 0.4812



33.1729, 0.1861, 0.3211

Rectangle

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



33.1729, 0.2210, 0.2017



33.1729, 0.3505, 0.2440



33.1729, 0.3940, 0.4812



33.1729, 0.2611, 0.4437

Sweetspot

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



33.1740, 0.2210, 0.2017



76.0125, 0.2887, 0.2980



77.6949, 0.2592, 0.3652



15.6202, 0.2851, 0.2932



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.



33.1740, 0.2210, 0.2017



27.1472, 0.2028, 0.1727



27.8959, 0.2376, 0.1747



17.2813, 0.2979, 0.3101



5.3731, 0.1567, 0.0841



0.6498, 0.1626, 0.1053

Inverse Universe

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



36.4750, 0.4259, 0.2989



32.0105, 0.4619, 0.2951



84.3688, 0.3634, 0.4647



17.2897, 0.3258, 0.3236



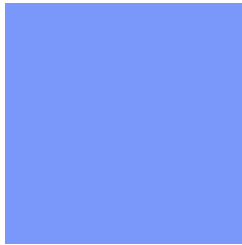
10.9533, 0.6004, 0.3081



1.0298, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 33.1729, 0.2210, 0.2017 looks on a white background.

Color Contrast Check

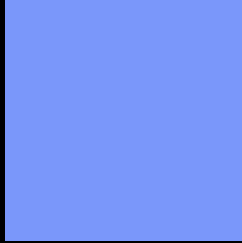
Large Text (above 18pt) WCAG AA × Fail

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 33.1729, 0.2210, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

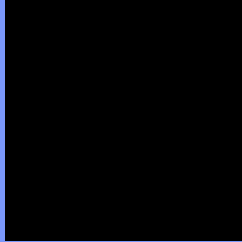
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1729, 0.2210, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 33.1729, 0.2210, 0.2017.



This preview shows how white text looks on a background with the Yxy color 33.1729, 0.2210, 0.2017.

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

33.1729, 0.2210, 0.2017

Protanopia

33.2034, 0.2181, 0.2013

Deuteranopia

33.3832, 0.2121, 0.2061



Tritanopia

33.1798, 0.2499, 0.3080

Trichromacy



Original Color

33.1729, 0.2210, 0.2017

Protanomaly

33.3434, 0.2192, 0.2016

Deuteranomaly

33.2020, 0.2153, 0.2045

Tritanomaly

33.0233, 0.2378, 0.2633

Monochromacy



Original Color

33.1729, 0.2210, 0.2017

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.2074, 0.2721, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1729, 0.2210, 0.2017 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(122, 151, 250)` looks like.

```
.text, #text, p{  
    color:rgb(122, 151, 250)  
}
```

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(122, 151, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 151, 250) }
```

Border

The CSS property to change the border of an element to Yxy 33.1729, 0.2210, 0.2017 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(122, 151, 250) }
```

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

```
.border{ border-color:rgb(122, 151, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 151, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 151, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 151, 250);  
box-shadow:4px 4px 4px 4px rgb(122, 151,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1729, 0.2210, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 151, 250) }
```

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

```
.background{ background-color: rgb(122,  
151, 250) }
```

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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