

Converting Colors

$Y_{xy}(32.9821, 0.2155, 0.1960)$

Have a look what the booklet for
Yxy(32.9821, 0.2155, 0.1960)
contains.

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Color

Yxy(33.0662, 0.2156, 0.1963)

Conversions

Conversions Part 1

Format	Color
Hex	7497FF
RGB	116, 151, 255
RGB Percent	45%, 59%, 100%
CMY	0.5451, 0.4078, 0.0001
CMYK	0.55, 0.41, 0.00, 0.00
HSL	225°, 100%, 73%
HSV	225°, 55%, 100%
XYZ	36.3172, 33.0662, 99.0638
YIQ	152.3910, -54.2440, 24.9240

Conversions

Conversions Part 2

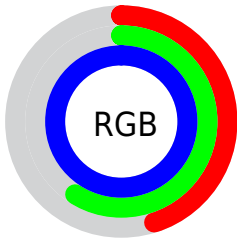
Format	Color
RYB	116, 144, 255
Decimal	7641087
CIELab	64.21, 17.07, -55.50
CIElCh	64, 58.063, 287.098
Yxy	33.0662, 0.2156, 0.1963
Android (android.graphics.Color)	4285831167 (0xFF7497FF)
YUV	152.3910, 50.5862, -31.9149
Hunter-Lab	57.5032, 12.1044, -61.8898

Details

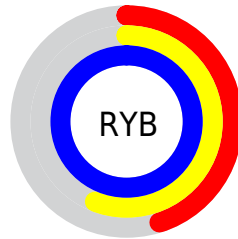
The Yxy color **33.0662, 0.2156, 0.1963** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.6991, 0.4099, 0.4316**, and the grayscale version is **31.3732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1127, 0.2614, 0.2719**, and **14.0627, 0.1890, 0.1645** is the 20% darker color. If you saturate the color by 10%, you get **25.9011, 0.1978, 0.1677**, and if you desaturate by 10%, it is **41.7066, 0.2345, 0.2248**.

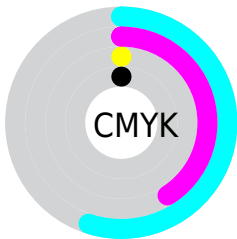
Distribution



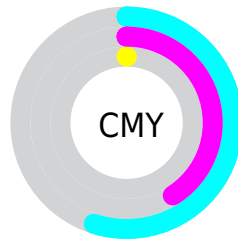
- Red (45%)
- Green (59%)
- Blue (100%)



- Red (45%)
- Yellow (56%)
- Blue (100%)



- Cyan (55%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0662, 0.2156, 0.1963 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 33.0662, 0.2156, 0.1963 by changing the saturation by 10% instead.


 33.0662, 0.2156,
0.1963


 33.0662, 0.2156,
0.1963


315.9479, 0.2646,
0.2598

 22.1772, 0.2038,
0.1819


 64.4789, 0.2332,
0.2184

 13.9871, 0.1891,
0.1643


 85.7713, 0.2399,
0.2270

 8.1117, 0.1704,
0.1428

 111.3003, 0.2456,
0.2344

 4.1665, 0.1463,
0.1161

141.4503, 0.2504,
0.2408

 1.7671, 0.1149,
0.0836

176.6057, 0.2547,
0.2465

 0.4666, 0.0757,
0.0411

217.1508, 0.2584,

 0.0000, 0.0000,

0.2514

0.0000

263.4701, 0.2617,
0.2559

■ 33.0662, 0.2156,
0.1963

■ 33.0662, 0.2156,
0.1963

■ 25.9011, 0.1978,
0.1677

■ 41.7066, 0.2345,
0.2248

■ 20.1199, 0.1822,
0.1404

■ 51.8991, 0.2535,
0.2520

■ 15.6254, 0.1696,
0.1158

■ 63.7190, 0.2720,
0.2772

■ 12.3033, 0.1608,
0.0954

■ 77.2355, 0.2896,
0.3001

■ 10.9097, 0.1573,
0.0863

■ 92.5136, 0.3058,
0.3206

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



33.0662, 0.1731, 0.2043



33.0662, 0.2156, 0.1963



33.0662, 0.2888, 0.2146

Triad

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



33.0662, 0.2156, 0.1963



33.0662, 0.4913, 0.3736



33.0662, 0.2349, 0.4226

Complementary

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



33.0662, 0.2156, 0.1963



73.6991, 0.4099, 0.4316

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.



33.0662, 0.3146, 0.4907



33.0662, 0.2156, 0.1963



33.0662, 0.4643, 0.4375

Square

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



33.0662, 0.2156, 0.1963



33.0662, 0.4615, 0.3107



33.0662, 0.3983, 0.4878



33.0662, 0.1810, 0.3219

Rectangle

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



33.0662, 0.2156, 0.1963



33.0662, 0.3503, 0.2394



33.0662, 0.3983, 0.4878



33.0662, 0.2596, 0.4521

Sweetspot

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



33.0673, 0.2156, 0.1963



75.1128, 0.2870, 0.2969



80.2828, 0.2589, 0.3739



15.4628, 0.2835, 0.2923



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.



33.0673, 0.2156, 0.1963



25.5858, 0.1970, 0.1663



26.0481, 0.2282, 0.1625



18.1209, 0.2979, 0.3107



5.8996, 0.1580, 0.0888



0.7395, 0.1638, 0.1097

Inverse Universe

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



35.9844, 0.4333, 0.2938



30.0848, 0.4718, 0.2901



88.3903, 0.3690, 0.4713



18.0621, 0.3254, 0.3230



11.3235, 0.5930, 0.3040



1.1192, 0.5615, 0.2867

Previews

White Background



This preview shows how the Yxy color 33.0662, 0.2156, 0.1963 looks on a white background.

Color Contrast Check

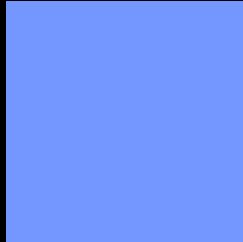
Large Text (above 18pt) WCAG AA × Fail

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 33.0662, 0.2156, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

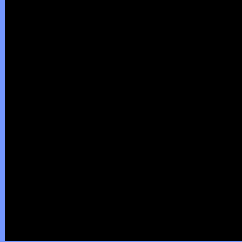
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0662, 0.2156, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 33.0662, 0.2156, 0.1963.



This preview shows how white text looks on a background with the Yxy color 33.0662, 0.2156, 0.1963.

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

33.0662, 0.2156, 0.1963

Protanopia

33.1872, 0.2143, 0.1971

Deuteranopia

33.2598, 0.2067, 0.2004



Tritanopia

33.0566, 0.2437, 0.3077

Trichromacy



Original Color

33.0662, 0.2156, 0.1963

Protanomaly

33.2539, 0.2148, 0.1972

Deuteranomaly

33.0337, 0.2095, 0.1988

Tritanomaly

32.6474, 0.2321, 0.2599

Monochromacy



Original Color

33.0662, 0.2156, 0.1963

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6196, 0.2694, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0662, 0.2156, 0.1963 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(116, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 151, 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(116, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.0662, 0.2156, 0.1963 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(116, 151, 255) }
```

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

```
.border{ border-color:rgb(116, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0662, 0.2156, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 151, 255) }
```

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

```
.background{ background-color: rgb(116,  
151, 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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