

Converting Colors

$Y_{xy}(33.6817, 0.2101, 0.2002)$

Have a look what the booklet for
Yxy(33.6817, 0.2101, 0.2002)
contains.

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Color

Yxy(33.8217, 0.2102, 0.2007)

Conversions

Conversions Part 1

Format	Color
Hex	669CFF
RGB	102, 156, 255
RGB Percent	40%, 61%, 100%
CMY	0.5998, 0.3883, 0.0000
CMYK	0.60, 0.39, 0.00, 0.00
HSL	219°, 100%, 70%
HSV	219°, 60%, 100%
XYZ	35.4226, 33.8217, 99.2744
YIQ	151.1400, -63.9630, 19.3410

Conversions

Conversions Part 2

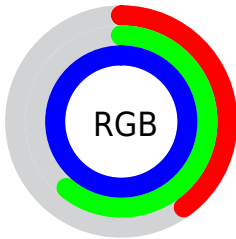
Format	Color
RYB	102, 142, 255
Decimal	6724863
CIELab	64.82, 11.45, -54.59
CIElCh	65, 55.777, 281.850
Yxy	33.8217, 0.2102, 0.2007
Android (android.graphics.Color)	4284914943 (0xFF669CFF)
YUV	151.1400, 51.2030, -43.0958
Hunter-Lab	58.1564, 6.9492, -60.4999

Details

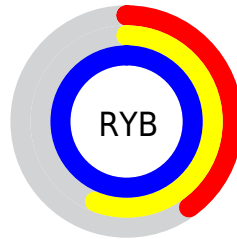
The Yxy color **33.8217, 0.2102, 0.2007** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.0223, 0.4300, 0.4265**, and the grayscale version is **30.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0997, 0.2546, 0.2768**, and **14.3509, 0.1826, 0.1682** is the 20% darker color. If you saturate the color by 10%, you get **27.3854, 0.1947, 0.1755**, and if you desaturate by 10%, it is **41.4703, 0.2273, 0.2259**.

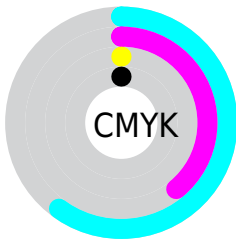
Distribution



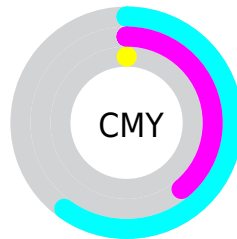
- Red (40%)
- Green (61%)
- Blue (100%)



- Red (40%)
- Yellow (56%)
- Blue (100%)



- Cyan (60%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8217, 0.2102, 0.2007 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 33.8217, 0.2102, 0.2007 by changing the saturation by 10% instead.


 33.8217, 0.2102,
0.2007


 33.8217, 0.2102,
0.2007


319.3363, 0.2614,
0.2625


 22.7567, 0.1980,
0.1865


 65.6563, 0.2285,
0.2223

 14.4139, 0.1829,
0.1692

 87.1947, 0.2354,
0.2307

 8.4091, 0.1638,
0.1479


 112.9929, 0.2414,
0.2379

 4.3578, 0.1393,
0.1213

143.4354, 0.2465,
0.2442

 1.8757, 0.1079,
0.0886

178.9066, 0.2509,
0.2496

 0.5337, 0.0690,
0.0468

219.7909, 0.2548,

 0.0000, 0.0000,

0.2544

0.0000

266.4727, 0.2583,
0.2587

■ 33.8217, 0.2102,
0.2007

■ 33.8217, 0.2102,
0.2007

■ 27.3854, 0.1947,
0.1755

■ 41.4703, 0.2273,
0.2259

■ 22.0858, 0.1814,
0.1512

■ 50.3956, 0.2451,
0.2501

■ 17.8393, 0.1711,
0.1290

■ 60.6595, 0.2630,
0.2728

■ 14.5267, 0.1638,
0.1096

■ 72.3186, 0.2805,
0.2936

■ 14.5204, 0.1638,
0.1096

■ 85.4262, 0.2971,
0.3123

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.



33.8217, 0.1742, 0.2137



33.8217, 0.2102, 0.2007



33.8217, 0.2759, 0.2141

Triad

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



33.8217, 0.2102, 0.2007



33.8217, 0.4826, 0.3621



33.8217, 0.2508, 0.4330

Complementary

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



33.8217, 0.2102, 0.2007



64.0223, 0.4300, 0.4265

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.



33.8217, 0.3298, 0.4869



33.8217, 0.2102, 0.2007



33.8217, 0.4663, 0.4239

Square

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



33.8217, 0.2102, 0.2007



33.8217, 0.4440, 0.3019



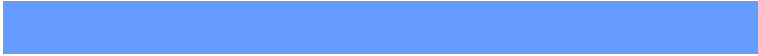
33.8217, 0.4085, 0.4751



33.8217, 0.1932, 0.3390

Rectangle

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



33.8217, 0.2102, 0.2007



33.8217, 0.3330, 0.2357



33.8217, 0.4085, 0.4751



33.8217, 0.2758, 0.4580

Sweetspot

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



33.8224, 0.2102, 0.2007



74.7958, 0.2839, 0.2975



78.4677, 0.2624, 0.3995



15.2339, 0.2789, 0.2917



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.



33.8224, 0.2102, 0.2007



26.2251, 0.1918, 0.1705



20.9036, 0.2076, 0.1405



18.4257, 0.2979, 0.3132



7.8403, 0.1646, 0.1126



0.9598, 0.1708, 0.1350

Inverse Universe

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



33.1734, 0.4323, 0.2758



27.5993, 0.4716, 0.2713



90.0758, 0.3835, 0.4778



18.0929, 0.3239, 0.3206



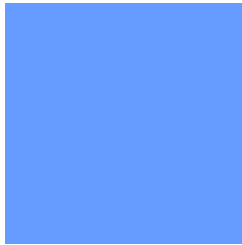
11.5194, 0.5573, 0.2844



1.1414, 0.5258, 0.2670

Previews

White Background



This preview shows how the Yxy color 33.8217, 0.2102, 0.2007 looks on a white background.

Color Contrast Check

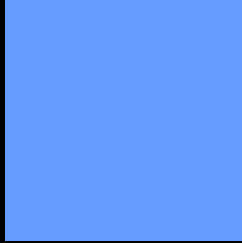
Large Text (above 18pt) WCAG AA × Fail

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 33.8217, 0.2102, 0.2007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

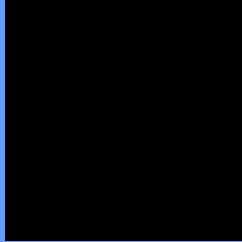
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

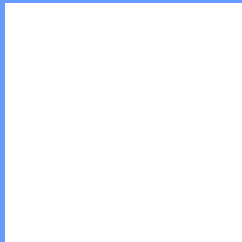
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8217, 0.2102, 0.2007

Background



This preview shows how black text looks on a background with the Yxy color 33.8217, 0.2102, 0.2007.



This preview shows how white text looks on a background with the Yxy color 33.8217, 0.2102, 0.2007.

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

33.8217, 0.2102, 0.2007

Protanopia

33.6623, 0.2185, 0.2019

Deuteranopia

33.8207, 0.2079, 0.2013



Tritanopia

33.9307, 0.2331, 0.3061

Trichromacy



Original Color

33.8217, 0.2102, 0.2007

Protanomaly

33.6478, 0.2152, 0.2013

Deuteranomaly

33.9306, 0.2087, 0.2015

Tritanomaly

33.7194, 0.2238, 0.2625

Monochromacy



Original Color

33.8217, 0.2102, 0.2007

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4431, 0.2646, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8217, 0.2102, 0.2007 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(102, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 156, 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(102, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.8217, 0.2102, 0.2007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

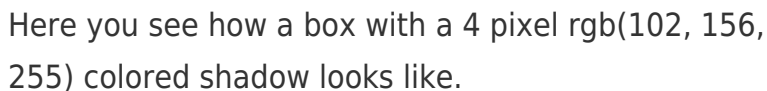
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 156, 255) }
```

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

```
.border{ border-color:rgb(102, 156, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 156, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 156, 255); box-shadow:4px 4px 4px 4px rgb(102, 156, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8217, 0.2102, 0.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 156, 255) }
```

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

```
.background{ background-color: rgb(102,  
156, 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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