

Converting Colors

$Yxy(33.5213, 0.2109, 0.1993)$

Have a look what the booklet for
Yxy(33.5213, 0.2109, 0.1993)
contains.

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Color

Yxy(33.6057, 0.2108, 0.1997)

Conversions

Conversions Part 1

Format	Color
Hex	689BFF
RGB	104, 155, 255
RGB Percent	41%, 61%, 100%
CMY	0.5923, 0.3921, 0.0001
CMYK	0.59, 0.39, 0.00, 0.00
HSL	220°, 100%, 70%
HSV	220°, 59%, 100%
XYZ	35.4736, 33.6057, 99.2016
YIQ	151.1510, -62.4960, 20.2880

Conversions

Conversions Part 2

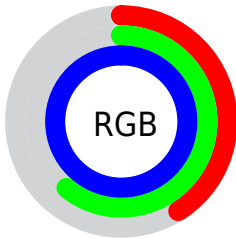
Format	Color
RYB	104, 142, 255
Decimal	6855679
CIELab	64.65, 12.37, -54.84
CIELCh	65, 56.216, 282.711
Yxy	33.6057, 0.2108, 0.1997
Android (android.graphics.Color)	4285045759 (0xFF689BFF)
YUV	151.1510, 51.1976, -41.3514
Hunter-Lab	57.9704, 7.7806, -60.8804

Details

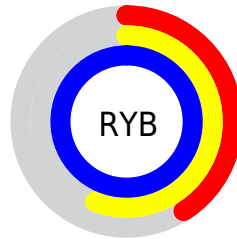
The Yxy color **33.6057, 0.2108, 0.1997** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4072, 0.4269, 0.4275**, and the grayscale version is **30.8105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8203, 0.2556, 0.2757**, and **14.2109, 0.1831, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **27.0737, 0.1949, 0.1740**, and if you desaturate by 10%, it is **41.3863, 0.2282, 0.2253**.

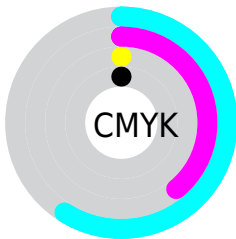
Distribution



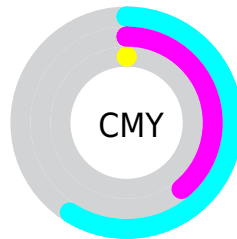
- Red (41%)
- Green (61%)
- Blue (100%)



- Red (41%)
- Yellow (56%)
- Blue (100%)



- Cyan (59%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6057, 0.2108, 0.1997 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 33.6057, 0.2108, 0.1997 by changing the saturation by 10% instead.

 33.6057, 0.2108,
0.1997


 33.6057, 0.2108,
0.1997


318.3703, 0.2618,
0.2620

 22.5909, 0.1986,
0.1855


 65.3200, 0.2290,
0.2214

 14.2917, 0.1835,
0.1681


 86.7883, 0.2359,
0.2299

 8.3238, 0.1644,
0.1466


 112.5098, 0.2419,
0.2371

 4.3028, 0.1400,
0.1200

142.8690, 0.2470,
0.2434

 1.8444, 0.1085,
0.0873

178.2503, 0.2514,
0.2489

 0.5146, 0.0696,
0.0452

219.0380, 0.2553,

 0.0000, 0.0000,

0.2538

0.0000

265.6165, 0.2587,
0.2581

■ 33.6057, 0.2108,
0.1997

■ 33.6057, 0.2108,
0.1997

■ 27.0737, 0.1949,
0.1740

■ 41.3863, 0.2282,
0.2253

■ 21.7116, 0.1813,
0.1492

■ 50.4802, 0.2462,
0.2500

■ 17.4346, 0.1707,
0.1267

■ 60.9514, 0.2642,
0.2731

■ 14.1285, 0.1632,
0.1072

■ 72.8582, 0.2817,
0.2943

■ 13.9037, 0.1627,
0.1058

■ 86.2553, 0.2984,
0.3133

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



33.6057, 0.1737, 0.2119



33.6057, 0.2108, 0.1997



33.6057, 0.2778, 0.2139

Triad

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



33.6057, 0.2108, 0.1997



33.6057, 0.4845, 0.3640



33.6057, 0.2481, 0.4317

Complementary

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



33.6057, 0.2108, 0.1997



65.4072, 0.4269, 0.4275

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.



33.6057, 0.3274, 0.4881



33.6057, 0.2108, 0.1997



33.6057, 0.4664, 0.4262

Square

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



33.6057, 0.2108, 0.1997



33.6057, 0.4472, 0.3032



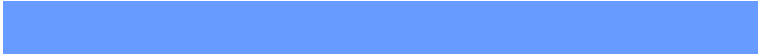
33.6057, 0.4071, 0.4775



33.6057, 0.1910, 0.3363

Rectangle

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



33.6057, 0.2108, 0.1997



33.6057, 0.3357, 0.2361



33.6057, 0.4071, 0.4775



33.6057, 0.2731, 0.4576

Sweetspot

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



33.6068, 0.2108, 0.1997



74.4325, 0.2838, 0.2967



78.7146, 0.2616, 0.3951



15.1461, 0.2788, 0.2909



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.



33.6068, 0.2108, 0.1997



26.0433, 0.1923, 0.1695



21.5963, 0.2107, 0.1436



18.3812, 0.2979, 0.3128



7.5127, 0.1635, 0.1087



0.9240, 0.1698, 0.1311

Inverse Universe

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



33.5169, 0.4329, 0.2785



27.9043, 0.4722, 0.2741



89.7120, 0.3811, 0.4773



18.0884, 0.3241, 0.3210



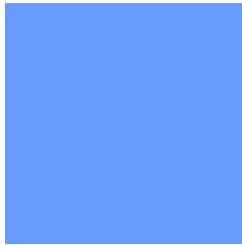
11.4864, 0.5629, 0.2875



1.1378, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 33.6057, 0.2108, 0.1997 looks on a white background.

Color Contrast Check

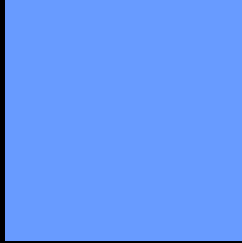
Large Text (above 18pt) WCAG AA × Fail

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 33.6057, 0.2108, 0.1997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

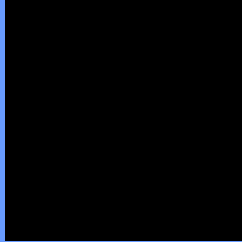
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

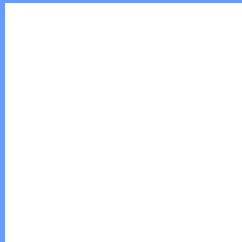
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6057, 0.2108, 0.1997

Background



This preview shows how black text looks on a background with the Yxy color 33.6057, 0.2108, 0.1997.



This preview shows how white text looks on a background with the Yxy color 33.6057, 0.2108, 0.1997.

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

33.6057, 0.2108, 0.1997

Protanopia

33.6562, 0.2175, 0.2008

Deuteranopia

33.7668, 0.2074, 0.2011



Tritanopia

33.6266, 0.2346, 0.3060

Trichromacy



Original Color

33.6057, 0.2108, 0.1997

Protanomaly

33.7117, 0.2148, 0.2004

Deuteranomaly

33.5936, 0.2084, 0.2002

Tritanomaly

33.4482, 0.2244, 0.2611

Monochromacy



Original Color

33.6057, 0.2108, 0.1997

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1989, 0.2653, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6057, 0.2108, 0.1997 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(104, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.6057, 0.2108, 0.1997 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(104, 155, 255) }
```

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

```
.border{ border-color:rgb(104, 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(104, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6057, 0.2108, 0.1997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 155, 255) }
```

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

```
.background{ background-color: rgb(104,  
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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