

Converting Colors

$Y_{xy}(32.6805, 0.2169, 0.2054)$

Have a look what the booklet for
Yxy(32.6805, 0.2169, 0.2054)
contains.

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Color

Yxy(32.8158, 0.2174, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	6F99F6
RGB	111, 153, 246
RGB Percent	44%, 60%, 96%
CMY	0.5645, 0.4000, 0.0354
CMYK	0.55, 0.38, 0.00, 0.04
HSL	221°, 88%, 70%
HSV	221°, 55%, 96%
XYZ	34.5815, 32.8158, 91.6711
YIQ	151.0440, -54.8850, 20.0190

Conversions

Conversions Part 2

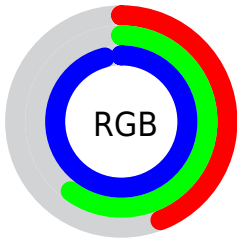
Format	Color
R _Y B	111, 143, 246
Decimal	7313910
CIE Lab	64.01, 12.07, -50.90
CIE LCh	64, 52.313, 283.341
Yxy	32.8158, 0.2174, 0.2063
Android (android.graphics.Color)	4285503990 (0xFF6F99F6)
YUV	151.0440, 46.8133, -35.1186
Hunter-Lab	57.2851, 7.5068, -54.7799

Details

The Yxy color **32.8158, 0.2174, 0.2063** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.9311, 0.4150, 0.4248**, and the grayscale version is **30.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3917, 0.2581, 0.2738**, and **13.9325, 0.1912, 0.1762** is the 20% darker color. If you saturate the color by 10%, you get **26.2743, 0.2004, 0.1796**, and if you desaturate by 10%, it is **40.5869, 0.2355, 0.2326**.

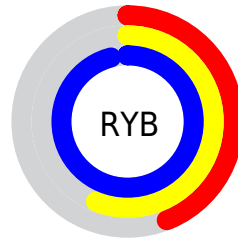
Distribution



Red (44%)

Green (60%)

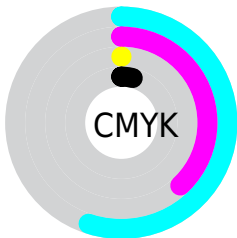
Blue (96%)



Red (44%)

Yellow (56%)

Blue (96%)

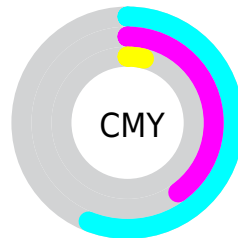


Cyan (55%)

Magenta (38%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (40%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8158, 0.2174, 0.2063 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 32.8158, 0.2174, 0.2063 by changing the saturation by 10% instead.

■ 32.8158, 0.2174,
0.2063

■ 32.8158, 0.2174,
0.2063

■ 314.8189, 0.2656,
0.2661

■ 21.9854, 0.2057,
0.1924

■ 64.0878, 0.2348,
0.2274

■ 13.8462, 0.1910,
0.1753

■ 85.2982, 0.2413,
0.2355

■ 8.0137, 0.1722,
0.1539

■ 110.7374, 0.2469,
0.2424

■ 4.1037, 0.1478,
0.1269

■ 140.7898, 0.2517,
0.2484

■ 1.7318, 0.1156,
0.0931

■ 175.8397, 0.2559,
0.2537

■ 0.4441, 0.0744,
0.0461

■ 216.2716, 0.2595,

■ 0.0000, 0.0000,

0.2583

0.0000

262.4699, 0.2627,
0.2624

■ 32.8158, 0.2174,
0.2063

■ 32.8158, 0.2174,
0.2063

■ 26.2743, 0.2004,
0.1796

■ 40.5869, 0.2355,
0.2326

■ 20.8889, 0.1855,
0.1536

■ 49.6482, 0.2538,
0.2576

■ 16.5824, 0.1733,
0.1296

■ 60.0598, 0.2719,
0.2808

■ 13.2635, 0.1644,
0.1087

■ 71.8769, 0.2891,
0.3018

■ 11.8857, 0.1610,
0.0994

■ 85.1517, 0.3053,
0.3207

99.2374, 0.3180,
0.3374

99.4316, 0.3179,
0.3377

Harmonies

Analogous

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



32.8158, 0.1812, 0.2178



32.8158, 0.2174, 0.2063



32.8158, 0.2818, 0.2202

Triad

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



32.8158, 0.2174, 0.2063



32.8158, 0.4745, 0.3647



32.8158, 0.2510, 0.4230

Complementary

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



32.8158, 0.2174, 0.2063



63.9311, 0.4150, 0.4248

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.



32.8158, 0.3259, 0.4769



32.8158, 0.2174, 0.2063



32.8158, 0.4574, 0.4236

Square

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



32.8158, 0.2174, 0.2063



32.8158, 0.4401, 0.3064



32.8158, 0.4014, 0.4700



32.8158, 0.1969, 0.3346

Rectangle

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



32.8158, 0.2174, 0.2063



32.8158, 0.3365, 0.2418



32.8158, 0.4014, 0.4700



32.8158, 0.2746, 0.4472

Sweetspot

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



32.8169, 0.2174, 0.2063



76.4214, 0.2871, 0.2995



73.5965, 0.2619, 0.3831



15.7720, 0.2836, 0.2952



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.



32.8169, 0.2174, 0.2063



27.7043, 0.1984, 0.1762



23.2492, 0.2228, 0.1597



16.7672, 0.2980, 0.3122



6.5650, 0.1617, 0.1022



0.7524, 0.1686, 0.1268

Inverse Universe

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



33.2673, 0.4238, 0.2852



29.8927, 0.4615, 0.2799



82.4474, 0.3741, 0.4694



16.5674, 0.3245, 0.3217



10.7621, 0.5725, 0.2927



0.9636, 0.5371, 0.2733

Previews

White Background



This preview shows how the Yxy color 32.8158, 0.2174, 0.2063 looks on a white background.

Color Contrast Check

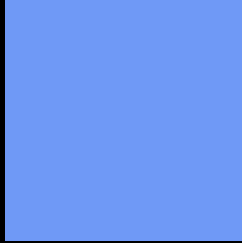
Large Text (above 18pt) WCAG AA × Fail

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 32.8158, 0.2174, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

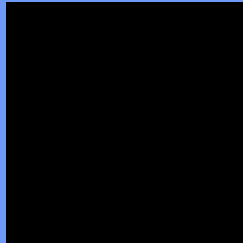
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

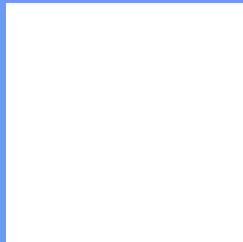
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8158, 0.2174, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 32.8158, 0.2174, 0.2063.



This preview shows how white text looks on a background with the Yxy color 32.8158, 0.2174, 0.2063.

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

32.8158, 0.2174, 0.2063

Protanopia

32.6477, 0.2216, 0.2058

Deuteranopia

32.9801, 0.2139, 0.2078



Tritanopia

32.9590, 0.2426, 0.3077

Trichromacy



Original Color

32.8158, 0.2174, 0.2063

Protanomaly

32.7620, 0.2202, 0.2066

Deuteranomaly

32.8292, 0.2151, 0.2069

Tritanomaly

32.6871, 0.2324, 0.2652

Monochromacy



Original Color

32.8158, 0.2174, 0.2063

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.2359, 0.2692, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8158, 0.2174, 0.2063 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(111, 153, 246)` looks like.

```
.text, #text, p{  
    color:rgb(111, 153, 246)  
}
```

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(111, 153, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 153, 246) }
```

Border

The CSS property to change the border of an element to Yxy 32.8158, 0.2174, 0.2063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

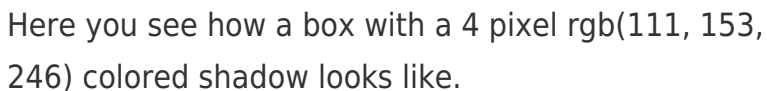
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 153, 246) }
```

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

```
.border{ border-color:rgb(111, 153, 246) }
```

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



Here you see how a box with a 4 pixel rgb(111, 153, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 153, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 153, 246);  
box-shadow:4px 4px 4px 4px rgb(111, 153,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8158, 0.2174, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 153, 246) }
```

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

```
.background{ background-color: rgb(111,  
153, 246) }
```

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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