

Converting Colors

$Y_{xy}(31.7565, 0.2185, 0.2120)$

Have a look what the booklet for
Yxy(31.7565, 0.2185, 0.2120)
contains.

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Color

Yxy(31.7553, 0.2185, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	6B98EE
RGB	107, 152, 238
RGB Percent	42%, 60%, 93%
CMY	0.5802, 0.4039, 0.0666
CMYK	0.55, 0.36, 0.00, 0.07
HSL	219°, 79%, 68%
HSV	219°, 55%, 93%
XYZ	32.7289, 31.7553, 85.3049
YIQ	148.3490, -54.4260, 17.2060

Conversions

Conversions Part 2

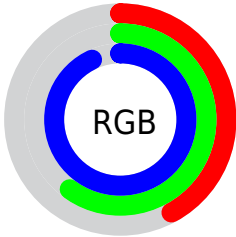
Format	Color
RYB	107, 140, 238
Decimal	7051502
CIELab	63.14, 9.34, -47.93
CIElCh	63, 48.827, 281.023
Yxy	31.7553, 0.2185, 0.2120
Android (android.graphics.Color)	4285241582 (0xFF6B98EE)
YUV	148.3490, 44.1979, -36.2631
Hunter-Lab	56.3518, 5.0564, -50.3064

Details

The Yxy color **31.7553, 0.2185, 0.2120** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.4096, 0.4179, 0.4209**, and the grayscale version is **29.6004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4696, 0.2556, 0.2722**, and **13.3516, 0.1918, 0.1815** is the 20% darker color. If you saturate the color by 10%, you get **25.7339, 0.2020, 0.1865**, and if you desaturate by 10%, it is **38.8537, 0.2361, 0.2370**.

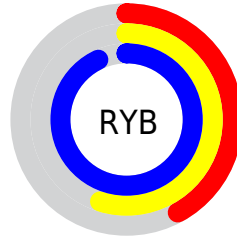
Distribution



Red (42%)

Green (60%)

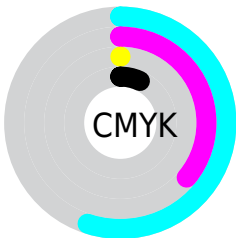
Blue (93%)



Red (42%)

Yellow (55%)

Blue (93%)

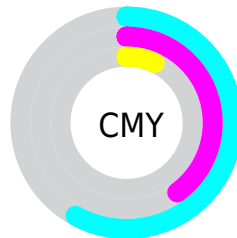


Cyan (55%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (58%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7553, 0.2185, 0.2120 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 31.7553, 0.2185, 0.2120 by changing the saturation by 10% instead.

■ 31.7553, 0.2185,
0.2120

■ 31.7553, 0.2185,
0.2120

■ 310.0031, 0.2664,
0.2698

■ 21.1747, 0.2067,
0.1983

■ 62.4273, 0.2359,
0.2326

■ 13.2517, 0.1919,
0.1812

■ 83.2874, 0.2424,
0.2405

■ 7.6021, 0.1728,
0.1597

■ 108.3428, 0.2480,
0.2472

■ 3.8414, 0.1477,
0.1322

■ 137.9779, 0.2527,
0.2530

■ 1.5853, 0.1144,
0.0971

■ 172.5771, 0.2568,
0.2580

■ 0.3476, 0.0688,
0.0428

■ 212.5248, 0.2604,

■ 0.0000, 0.0000,

0.2624

0.0000

258.2053, 0.2636,
0.2663

■ 31.7553, 0.2185,
0.2120

■ 31.7553, 0.2185,
0.2120

■ 25.7339, 0.2020,
0.1865

■ 38.8537, 0.2361,
0.2370

■ 20.7259, 0.1874,
0.1614

■ 47.0806, 0.2541,
0.2608

■ 16.6652, 0.1755,
0.1379


■ 56.4879, 0.2718,
0.2828


■ 13.4731, 0.1667,
0.1170

■ 67.1229, 0.2889,
0.3028

■ 12.1622, 0.1633,
0.1078

■ 79.0302, 0.3050,
0.3208

 92.2522, 0.3200,
0.3366

 98.9540, 0.3226,
0.3454

Harmonies

Analogous

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



31.7553, 0.1858, 0.2255



31.7553, 0.2185, 0.2120



31.7553, 0.2781, 0.2235

Triad

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



31.7553, 0.2185, 0.2120



31.7553, 0.4650, 0.3596



31.7553, 0.2597, 0.4227

Complementary

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



31.7553, 0.2185, 0.2120



57.4096, 0.4179, 0.4209

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.



31.7553, 0.3318, 0.4694



31.7553, 0.2185, 0.2120



31.7553, 0.4530, 0.4158

Square

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



31.7553, 0.2185, 0.2120



31.7553, 0.4285, 0.3039



31.7553, 0.4027, 0.4604



31.7553, 0.2059, 0.3411

Rectangle

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



31.7553, 0.2185, 0.2120



31.7553, 0.3292, 0.2431



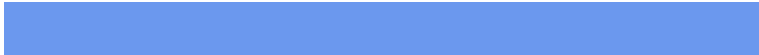
31.7553, 0.4027, 0.4604



31.7553, 0.2826, 0.4442

Sweetspot

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



31.7564, 0.2185, 0.2120



75.8457, 0.2855, 0.2989



68.1000, 0.2639, 0.3892



15.6850, 0.2821, 0.2950



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.



31.7564, 0.2185, 0.2120



29.3192, 0.2001, 0.1834



21.1854, 0.2194, 0.1581



16.1157, 0.2980, 0.3130



7.0007, 0.1641, 0.1106



0.7609, 0.1713, 0.1367

Inverse Universe

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



30.9702, 0.4184, 0.2805



30.0557, 0.4538, 0.2745



77.1831, 0.3774, 0.4678



15.8484, 0.3239, 0.3209



10.5001, 0.5602, 0.2860



0.8915, 0.5235, 0.2657

Previews

White Background



This preview shows how the Yxy color 31.7553, 0.2185, 0.2120 looks on a white background.

Color Contrast Check

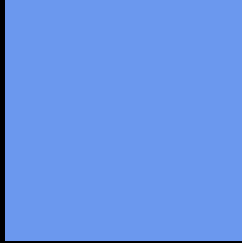
Large Text (above 18pt) WCAG AA × Fail

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 31.7553, 0.2185, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

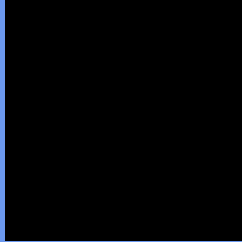
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

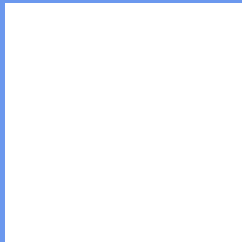
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7553, 0.2185, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 31.7553, 0.2185, 0.2120.



This preview shows how white text looks on a background with the Yxy color 31.7553, 0.2185, 0.2120.

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

31.7553, 0.2185, 0.2120

Protanopia

31.6160, 0.2266, 0.2121

Deuteranopia

31.6937, 0.2180, 0.2119



Tritanopia

31.6966, 0.2417, 0.3057

Trichromacy



Original Color

31.7553, 0.2185, 0.2120

Protanomaly

31.6401, 0.2234, 0.2116

Deuteranomaly

31.6937, 0.2180, 0.2119

Tritanomaly

31.6389, 0.2323, 0.2671

Monochromacy



Original Color

31.7553, 0.2185, 0.2120

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8176, 0.2700, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7553, 0.2185, 0.2120 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(107, 152, 238)` looks like.

```
.text, #text, p{  
    color:rgb(107, 152, 238)  
}
```

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(107, 152, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 152, 238) }
```

Border

The CSS property to change the border of an element to Yxy 31.7553, 0.2185, 0.2120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

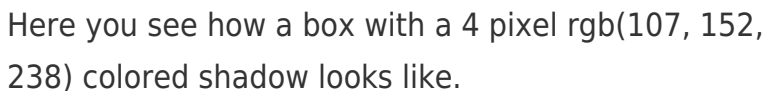
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 152, 238) }
```

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

```
.border{ border-color:rgb(107, 152, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 152, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 152, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 152, 238);  
box-shadow:4px 4px 4px 4px rgb(107, 152,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7553, 0.2185, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 152, 238) }
```

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

```
.background{ background-color: rgb(107,  
152, 238) }
```

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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