

Converting Colors

$Y_{xy}(30.5051, 0.2077, 0.1890)$

Have a look what the booklet for
Yxy(30.5051, 0.2077, 0.1890)
contains.

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Color

Yxy(30.4744, 0.2080, 0.1893)

Conversions

Conversions Part 1

Format	Color
Hex	6692FD
RGB	102, 146, 253
RGB Percent	40%, 57%, 99%
CMY	0.6000, 0.4274, 0.0079
CMYK	0.60, 0.42, 0.00, 0.01
HSL	223°, 97%, 70%
HSV	223°, 60%, 99%
XYZ	33.4848, 30.4744, 97.0255
YIQ	145.0420, -60.5710, 23.9490

Conversions

Conversions Part 2

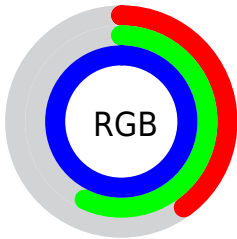
Format	Color
RYB	102, 136, 253
Decimal	6722301
CIELab	62.06, 16.66, -57.87
CIELCh	62, 60.222, 286.063
Yxy	30.4744, 0.2080, 0.1893
Android (android.graphics.Color)	4284912381 (0xFF6692FD)
YUV	145.0420, 53.2233, -37.7478
Hunter-Lab	55.2036, 11.6662, -65.5651

Details

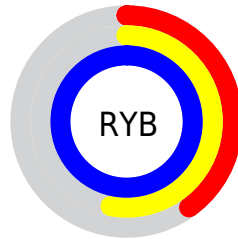
The Yxy color **30.4744, 0.2080, 0.1893** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.4271, 0.4232, 0.4343**, and the grayscale version is **28.1330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3151, 0.2529, 0.2647**, and **12.5334, 0.1792, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **24.1158, 0.1917, 0.1622**, and if you desaturate by 10%, it is **38.1522, 0.2259, 0.2166**.

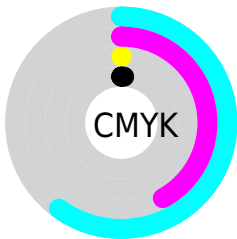
Distribution



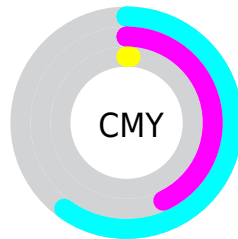
- Red (40%)
- Green (57%)
- Blue (99%)



- Red (40%)
- Yellow (53%)
- Blue (99%)



- Cyan (60%)
- Magenta (42%)
- Yellow (0%)
- Black (1%)



- Cyan (60%)
- Magenta (43%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4744, 0.2080, 0.1893 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 30.4744, 0.2080, 0.1893 by changing the saturation by 10% instead.


 30.4744, 0.2080,
0.1893


 30.4744, 0.2080,
0.1893


304.1095, 0.2611,
0.2566

 20.1990, 0.1952,
0.1740


 60.4116, 0.2271,
0.2127

 12.5397, 0.1793,
0.1555


 80.8422, 0.2343,
0.2219

 7.1124, 0.1591,
0.1328

 105.4265, 0.2405,
0.2297

 3.5325, 0.1334,
0.1050

134.5491, 0.2458,
0.2365

 1.4156, 0.1005,
0.0718

168.5943, 0.2504,
0.2425

 0.2282, 0.0597,
0.0218

207.9465, 0.2544,

 0.0000, 0.0000,

0.2477

0.0000

252.9901, 0.2579,
0.2524

■ 30.4744, 0.2080,
0.1893

■ 30.4744, 0.2080,
0.1893

■ 24.1158, 0.1917,
0.1622

■ 38.1522, 0.2259,
0.2166

■ 18.9908, 0.1778,
0.1367

■ 47.2210, 0.2445,
0.2431

■ 15.0061, 0.1671,
0.1140

■ 57.7506, 0.2630,
0.2680

■ 12.0344, 0.1598,
0.0952

■ 69.8048, 0.2808,
0.2908

■ 11.9519, 0.1596,
0.0947

■ 83.4436, 0.2976,
0.3113

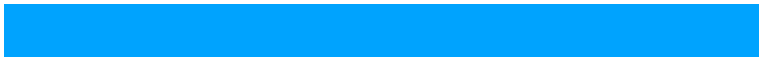
98.7235, 0.3132,
0.3296

99.8703, 0.3139,
0.3309

Harmonies

Analogous

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



30.4744, 0.1651, 0.1982



30.4744, 0.2080, 0.1893



30.4744, 0.2838, 0.2076

Triad

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



30.4744, 0.2080, 0.1893



30.4744, 0.5021, 0.3718



30.4744, 0.2322, 0.4330

Complementary

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



30.4744, 0.2080, 0.1893



67.4271, 0.4232, 0.4343

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.



30.4744, 0.3165, 0.5037



30.4744, 0.2080, 0.1893



30.4744, 0.4740, 0.4394

Square

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



30.4744, 0.2080, 0.1893



30.4744, 0.4690, 0.3065



30.4744, 0.4045, 0.4956



30.4744, 0.1749, 0.3242

Rectangle

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



30.4744, 0.2080, 0.1893



30.4744, 0.3488, 0.2329



30.4744, 0.4045, 0.4956



30.4744, 0.2583, 0.4644

Sweetspot

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



30.4754, 0.2080, 0.1893



73.2865, 0.2837, 0.2944



77.5995, 0.2581, 0.3856



14.8697, 0.2786, 0.2881



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.



30.4754, 0.2080, 0.1893



23.2192, 0.1881, 0.1560



21.5162, 0.2151, 0.1445



18.2402, 0.2979, 0.3117



6.5758, 0.1604, 0.0974



0.8190, 0.1664, 0.1191

Inverse Universe

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



32.4579, 0.4436, 0.2855



27.2959, 0.4884, 0.2824



86.8486, 0.3761, 0.4812



18.0742, 0.3248, 0.3221



11.3918, 0.5799, 0.2968



1.1272, 0.5479, 0.2792

Previews

White Background



This preview shows how the Yxy color 30.4744, 0.2080, 0.1893 looks on a white background.

Color Contrast Check

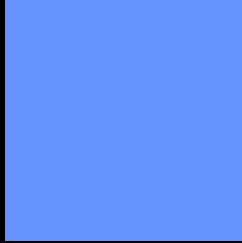
Large Text (above 18pt) WCAG AA × Fail

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 30.4744, 0.2080, 0.1893 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

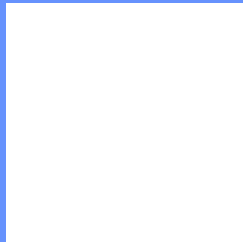
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.4744, 0.2080, 0.1893

Background



This preview shows how black text looks on a background with the Yxy color 30.4744, 0.2080, 0.1893.



This preview shows how white text looks on a background with the Yxy color 30.4744, 0.2080, 0.1893.

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

30.4744, 0.2080, 0.1893

Protanopia

30.5927, 0.2089, 0.1896

Deuteranopia

30.7393, 0.1996, 0.1936



Tritanopia

30.5579, 0.2341, 0.3067

Trichromacy



Original Color

30.4744, 0.2080, 0.1893

Protanomaly

30.5332, 0.2085, 0.1894

Deuteranomaly

30.5016, 0.2023, 0.1919

Tritanomaly

30.1790, 0.2226, 0.2557

Monochromacy



Original Color

30.4744, 0.2080, 0.1893

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.3786, 0.2636, 0.2688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4744, 0.2080, 0.1893 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, 146, 253)` looks like.

```
.text, #text, p{  
    color:rgb(102, 146, 253)  
}
```

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, 146, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 146, 253) }
```

Border

The CSS property to change the border of an element to Yxy 30.4744, 0.2080, 0.1893 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, 146, 253) }
```

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

```
.border{ border-color:rgb(102, 146, 253) }
```

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

Here you see how a box with a 4 pixel rgb(102, 146, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 146, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 146, 253);  
box-shadow:4px 4px 4px 4px rgb(102, 146,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4744, 0.2080, 0.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 146, 253) }
```

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

```
.background{ background-color: rgb(102,  
146, 253) }
```

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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