

Converting Colors

$Y_{xy}(29.1851, 0.2094, 0.1905)$

Have a look what the booklet for
Yxy(29.1851, 0.2094, 0.1905)
contains.

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Color

Yxy(29.1851, 0.2094, 0.1905)

Conversions

Conversions Part 1

Format	Color
Hex	668FF7
RGB	102, 143, 247
RGB Percent	40%, 56%, 97%
CMY	0.6004, 0.4391, 0.0314
CMYK	0.59, 0.42, 0.00, 0.03
HSL	223°, 90%, 68%
HSV	223°, 59%, 97%
XYZ	32.0806, 29.1851, 91.9369
YIQ	142.5970, -57.8200, 23.6520

Conversions

Conversions Part 2

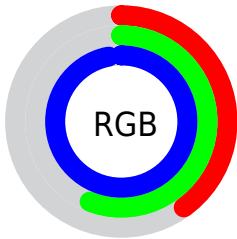
Format	Color
R _Y B	102, 134, 247
Decimal	6721527
CIE Lab	60.94, 16.47, -56.37
CIE LCh	61, 58.727, 286.286
Yxy	29.1851, 0.2094, 0.1905
Android (android.graphics.Color)	4284911607 (0xFF668FF7)
YUV	142.5970, 51.4707, -35.6036
Hunter-Lab	54.0232, 11.4580, -63.0836

Details

The Yxy color **29.1851, 0.2094, 0.1905** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.8103, 0.4204, 0.4340**, and the grayscale version is **27.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4864, 0.2522, 0.2598**, and **11.7660, 0.1802, 0.1555** is the 20% darker color. If you saturate the color by 10%, you get **23.0510, 0.1928, 0.1631**, and if you desaturate by 10%, it is **36.5891, 0.2275, 0.2180**.

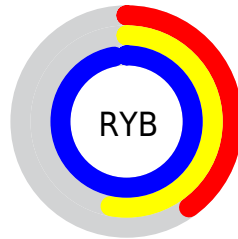
Distribution



Red (40%)

Green (56%)

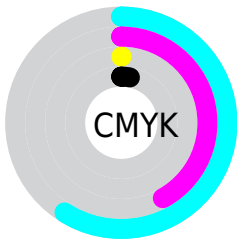
Blue (97%)



Red (40%)

Yellow (53%)

Blue (97%)

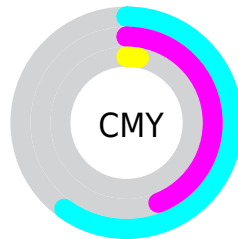


Cyan (59%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (60%)


Magenta (44%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1851, 0.2094, 0.1905 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 29.1851, 0.2094, 0.1905 by changing the saturation by 10% instead.

 29.1851, 0.2094,
0.1905


 29.1851, 0.2094,
0.1905


298.0873, 0.2622,
0.2578

 19.2209, 0.1965,
0.1750


 58.3710, 0.2285,
0.2141

 11.8300, 0.1804,
0.1562


 78.3616, 0.2357,
0.2232

 6.6280, 0.1599,
0.1330


 102.4630, 0.2419,
0.2311

 3.2306, 0.1334,
0.1045

131.0597, 0.2471,
0.2379

 1.2533, 0.0995,
0.0703

164.5361, 0.2517,
0.2438

 0.1046, 0.0549,
0.0114

203.2766, 0.2556,

 0.0000, 0.0000,

0.2490

0.0000

247.6655, 0.2591,
0.2536

■ 29.1851, 0.2094,
0.1905

■ 29.1851, 0.2094,
0.1905

■ 23.0510, 0.1928,
0.1631

■ 36.5891, 0.2275,
0.2180

■ 18.1052, 0.1786,
0.1373

■ 45.3314, 0.2462,
0.2447

■ 14.2596, 0.1675,
0.1142

■ 55.4786, 0.2647,
0.2696

■ 11.3998, 0.1600,
0.0952

■ 67.0916, 0.2824,
0.2924

■ 11.0973, 0.1592,
0.0931

■ 80.2278, 0.2991,
0.3130

 94.9412, 0.3146,
0.3312

 99.4954, 0.3173,
0.3367

Harmonies

Analogous

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



29.1851, 0.1665, 0.1992



29.1851, 0.2094, 0.1905



29.1851, 0.2848, 0.2088

Triad

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



29.1851, 0.2094, 0.1905



29.1851, 0.5003, 0.3723



29.1851, 0.2325, 0.4310

Complementary

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



29.1851, 0.2094, 0.1905



64.8103, 0.4204, 0.4340

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.



29.1851, 0.3160, 0.5014



29.1851, 0.2094, 0.1905



29.1851, 0.4723, 0.4392

Square

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



29.1851, 0.2094, 0.1905



29.1851, 0.4678, 0.3073



29.1851, 0.4033, 0.4943



29.1851, 0.1759, 0.3236

Rectangle

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



29.1851, 0.2094, 0.1905



29.1851, 0.3492, 0.2341



29.1851, 0.4033, 0.4943



29.1851, 0.2584, 0.4622

Sweetspot

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



29.1861, 0.2094, 0.1905



73.0912, 0.2837, 0.2940



73.6737, 0.2586, 0.3844



14.8226, 0.2786, 0.2876



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.



29.1861, 0.2094, 0.1905



23.9808, 0.1907, 0.1595



21.0155, 0.2170, 0.1477



16.6916, 0.2980, 0.3115



6.0764, 0.1600, 0.0959



0.7015, 0.1667, 0.1199

Inverse Universe

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



31.2396, 0.4417, 0.2872



28.0329, 0.4831, 0.2839



82.3803, 0.3754, 0.4790



16.5597, 0.3249, 0.3223



10.7128, 0.5822, 0.2981



0.9585, 0.5468, 0.2786

Previews

White Background



This preview shows how the Yxy color 29.1851, 0.2094, 0.1905 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1851, 0.2094, 0.1905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

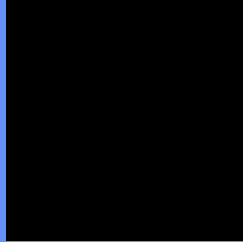
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1851, 0.2094, 0.1905

Background



This preview shows how black text looks on a background with the Yxy color 29.1851, 0.2094, 0.1905.



This preview shows how white text looks on a background with the Yxy color 29.1851, 0.2094, 0.1905.

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

29.1851, 0.2094, 0.1905

Protanopia

29.1851, 0.2094, 0.1905

Deuteranopia

29.4114, 0.2006, 0.1948



Tritanopia

29.0769, 0.2357, 0.3064

Trichromacy



Original Color

29.1851, 0.2094, 0.1905

Protanomaly

29.1851, 0.2094, 0.1905

Deuteranomaly

29.1900, 0.2035, 0.1931

Tritanomaly

28.6998, 0.2246, 0.2560

Monochromacy



Original Color

29.1851, 0.2094, 0.1905

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.5703, 0.2647, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1851, 0.2094, 0.1905 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, 143, 247)` looks like.

```
.text, #text, p{  
    color:rgb(102, 143, 247)  
}
```

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, 143, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 143, 247) }
```

Border

The CSS property to change the border of an element to Yxy 29.1851, 0.2094, 0.1905 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, 143, 247) }
```

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

```
.border{ border-color:rgb(102, 143, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 143, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 143, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 143, 247);  
box-shadow:4px 4px 4px 4px rgb(102, 143,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1851, 0.2094, 0.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 143, 247) }
```

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

```
.background{ background-color: rgb(102,  
143, 247) }
```

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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