

Converting Colors

$Y_{xy}(27.3042, 0.2184, 0.2016)$

Have a look what the booklet for
Yxy(27.3042, 0.2184, 0.2016)
contains.

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Color

Yxy(27.3042, 0.2184, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	6B8BE6
RGB	107, 139, 230
RGB Percent	42%, 55%, 90%
CMY	0.5802, 0.4549, 0.0981
CMYK	0.53, 0.40, 0.00, 0.10
HSL	224°, 71%, 66%
HSV	224°, 53%, 90%
XYZ	29.5796, 27.3042, 78.5537
YIQ	139.8060, -48.2830, 21.5170

Conversions

Conversions Part 2

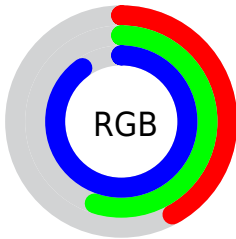
Format	Color
RYB	107, 132, 230
Decimal	7048166
CIELab	59.25, 14.46, -49.63
CIELCh	59, 51.691, 286.245
Yxy	27.3042, 0.2184, 0.2016
Android (android.graphics.Color)	4285238246 (0xFF6B8BE6)
YUV	139.8060, 44.4656, -28.7709
Hunter-Lab	52.2534, 9.6016, -52.5546

Details

The Yxy color **27.3042, 0.2184, 0.2016** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.2794, 0.4079, 0.4285**, and the grayscale version is **25.9888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9186, 0.2527, 0.2552**, and **10.8819, 0.1901, 0.1683** is the 20% darker color. If you saturate the color by 10%, you get **21.5126, 0.2006, 0.1734**, and if you desaturate by 10%, it is **34.2440, 0.2371, 0.2295**.

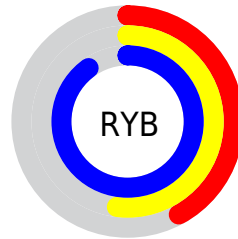
Distribution



Red (42%)

Green (55%)

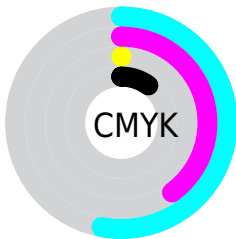
Blue (90%)



Red (42%)

Yellow (52%)

Blue (90%)

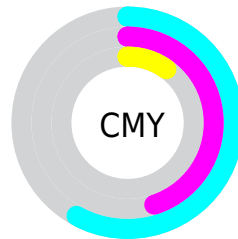


Cyan (53%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (58%)

Magenta (45%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3042, 0.2184, 0.2016 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 27.3042, 0.2184, 0.2016 by changing the saturation by 10% instead.

■ 27.3042, 0.2184,
0.2016

■ 27.3042, 0.2184,
0.2016

■ 289.1270, 0.2676,
0.2651

■ 17.8018, 0.2060,
0.1864

■ 55.3716, 0.2365,
0.2243

■ 10.8078, 0.1902,
0.1676

■ 74.7055, 0.2433,
0.2329

■ 5.9377, 0.1696,
0.1440

■ 98.0852, 0.2489,
0.2403

■ 2.8073, 0.1423,
0.1140

■ 125.8953, 0.2538,
0.2467

■ 1.0320, 0.1059,
0.0766

■ 158.5202, 0.2580,
0.2522

■ 0.0000, 0.0441,
0.0000

■ 196.3441, 0.2616,

■ 0.0000, 0.0000,

0.2570

0.0000

239.7516, 0.2648,
0.2613

■ 27.3042, 0.2184,
0.2016

■ 27.3042, 0.2184,
0.2016

■ 21.5126, 0.2006,
0.1734

■ 34.2440, 0.2371,
0.2295

■ 16.8001, 0.1848,
0.1461

■ 42.3898, 0.2560,
0.2560

■ 13.0942, 0.1718,
0.1212


■ 51.7983, 0.2742,
0.2806

■ 10.3099, 0.1624,
0.1001

■ 62.5221, 0.2915,
0.3029

■ 8.9198, 0.1580,
0.0887

■ 74.6104, 0.3075,
0.3227

 88.1099, 0.3221,
0.3402

 98.4917, 0.3274,
0.3533

Harmonies

Analogous

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



27.3042, 0.1781, 0.2105



27.3042, 0.2184, 0.2016



27.3042, 0.2879, 0.2185

Triad

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



27.3042, 0.2184, 0.2016



27.3042, 0.4828, 0.3712



27.3042, 0.2410, 0.4199

Complementary

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



27.3042, 0.2184, 0.2016



58.2794, 0.4079, 0.4285

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.



27.3042, 0.3178, 0.4825



27.3042, 0.2184, 0.2016



27.3042, 0.4593, 0.4322

Square

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



27.3042, 0.2184, 0.2016



27.3042, 0.4523, 0.3105



27.3042, 0.3975, 0.4795



27.3042, 0.1880, 0.3255

Rectangle

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



27.3042, 0.2184, 0.2016



27.3042, 0.3461, 0.2420



27.3042, 0.3975, 0.4795



27.3042, 0.2648, 0.4471

Sweetspot

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



27.3051, 0.2184, 0.2016



75.2912, 0.2870, 0.2972



63.7475, 0.2598, 0.3726



15.5049, 0.2835, 0.2927



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.



27.3051, 0.2184, 0.2016



26.5958, 0.1991, 0.1708



21.4486, 0.2307, 0.1669



14.4931, 0.2981, 0.3111



5.2195, 0.1587, 0.0912



0.5334, 0.1665, 0.1192

Inverse Universe

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



29.2079, 0.4273, 0.2933



30.6070, 0.4661, 0.2890



70.0990, 0.3680, 0.4681



14.4292, 0.3252, 0.3229



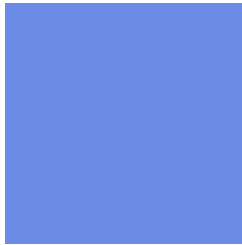
9.7246, 0.5893, 0.3020



0.7335, 0.5477, 0.2791

Previews

White Background



This preview shows how the Yxy color 27.3042, 0.2184, 0.2016 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 27.3042, 0.2184, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

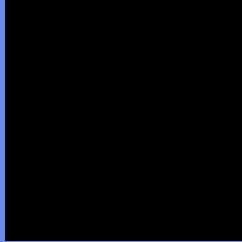
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3042, 0.2184, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 27.3042, 0.2184, 0.2016.



This preview shows how white text looks on a background with the Yxy color 27.3042, 0.2184, 0.2016.

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

27.3042, 0.2184, 0.2016

Protanopia

27.2426, 0.2178, 0.2014

Deuteranopia

27.5262, 0.2114, 0.2058



Tritanopia

27.3839, 0.2455, 0.3078

Trichromacy



Original Color

27.3042, 0.2184, 0.2016

Protanomaly

27.2426, 0.2178, 0.2014

Deuteranomaly

27.5445, 0.2142, 0.2052

Tritanomaly

27.1292, 0.2339, 0.2623

Monochromacy



Original Color

27.3042, 0.2184, 0.2016

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.3625, 0.2705, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3042, 0.2184, 0.2016 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, 139, 230)` looks like.

```
.text, #text, p{  
    color:rgb(107, 139, 230)  
}
```

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, 139, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 139, 230) }
```

Border

The CSS property to change the border of an element to Yxy 27.3042, 0.2184, 0.2016 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, 139, 230) }
```

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

```
.border{ border-color:rgb(107, 139, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 139, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 139, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 139, 230);  
box-shadow:4px 4px 4px 4px rgb(107, 139,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3042, 0.2184, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 139, 230) }
```

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

```
.background{ background-color: rgb(107,  
139, 230) }
```

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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