

Converting Colors

$Yxy(30.2855, 0.2088, 0.2049)$

Have a look what the booklet for
Yxy(30.2855, 0.2088, 0.2049)
contains.

Yxy(30.2776, 0.2088, 0.2049)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2776, 0.2088, 0.2049)

Conversions

Conversions Part 1

Format	Color
Hex	5A96F0
RGB	90, 150, 240
RGB Percent	35%, 59%, 94%
CMY	0.6467, 0.4118, 0.0589
CMYK	0.62, 0.37, 0.00, 0.06
HSL	216°, 83%, 65%
HSV	216°, 62%, 94%
XYZ	30.8539, 30.2776, 86.6362
YIQ	142.3200, -64.6500, 15.2700

Conversions

Conversions Part 2

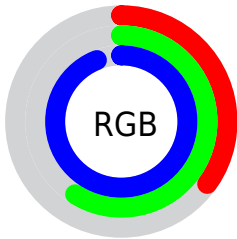
Format	Color
R _Y B	90, 133, 240
Decimal	5936880
CIE Lab	61.89, 7.89, -51.03
CIE LCh	62, 51.636, 278.785
Yxy	30.2776, 0.2088, 0.2049
Android (android.graphics.Color)	4284126960 (0xFF5A96F0)
YUV	142.3200, 48.1562, -45.8846
Hunter-Lab	55.0251, 3.7954, -54.8337

Details

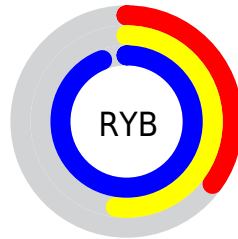
The Yxy color **30.2776, 0.2088, 0.2049** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **51.9325, 0.4403, 0.4225**, and the grayscale version is **27.0168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0811, 0.2475, 0.2686**, and **12.5332, 0.1816, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **24.9434, 0.1944, 0.1814**, and if you desaturate by 10%, it is **36.5675, 0.2249, 0.2283**.

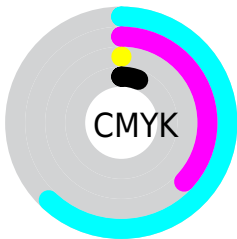
Distribution



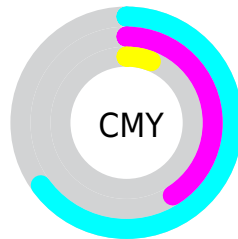
- Red (35%)
- Green (59%)
- Blue (94%)



- Red (35%)
- Yellow (52%)
- Blue (94%)



- Cyan (62%)
- Magenta (37%)
- Yellow (0%)
- Black (6%)





- Cyan (65%)
- Magenta (41%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2776, 0.2088, 0.2049 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 30.2776, 0.2088, 0.2049 by changing the saturation by 10% instead.


 30.2776, 0.2088,
0.2049


 30.2776, 0.2088,
0.2049


303.1963, 0.2616,
0.2664


 20.0494, 0.1960,
0.1904


 60.1009, 0.2278,
0.2268


 12.4310, 0.1799,
0.1724


 80.4648, 0.2351,
0.2351

 7.0379, 0.1593,
0.1498


 104.9760, 0.2412,
0.2423

 3.4858, 0.1328,
0.1213

 134.0190, 0.2464,
0.2484

 1.3903, 0.0984,
0.0856

167.9781, 0.2510,
0.2538

 0.2096, 0.0485,
0.0260

207.2378, 0.2549,

 0.0000, 0.0000,

0.2585

0.0000

252.1824, 0.2584,
0.2627

■ 30.2776, 0.2088,
0.2049

■ 30.2776, 0.2088,
0.2049

■ 24.9434, 0.1944,
0.1814

■ 36.5675, 0.2249,
0.2283

■ 20.5026, 0.1822,
0.1587

■ 43.8632, 0.2420,
0.2509

■ 16.8875, 0.1729,
0.1377

■ 52.2143, 0.2594,
0.2722

■ 14.6388, 0.1676,
0.1233

■ 61.6658, 0.2766,
0.2918

■ 72.2598, 0.2932,
0.3095

 84.0360, 0.3090,
0.3254

 96.4445, 0.3218,
0.3395

 99.0698, 0.3215,
0.3435

Harmonies

Analogous

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



30.2776, 0.1767, 0.2208



30.2776, 0.2088, 0.2049



30.2776, 0.2698, 0.2154

Triad

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



30.2776, 0.2088, 0.2049



30.2776, 0.4748, 0.3557



30.2776, 0.2607, 0.4363

Complementary

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



30.2776, 0.2088, 0.2049



51.9325, 0.4403, 0.4225

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.



30.2776, 0.3380, 0.4819



30.2776, 0.2088, 0.2049



30.2776, 0.4648, 0.4157

Square

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



30.2776, 0.2088, 0.2049



30.2776, 0.4323, 0.2975



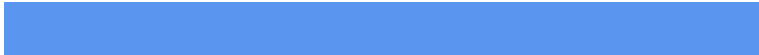
30.2776, 0.4127, 0.4663



30.2776, 0.2018, 0.3482

Rectangle

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



30.2776, 0.2088, 0.2049



30.2776, 0.3236, 0.2350



30.2776, 0.4127, 0.4663



30.2776, 0.2854, 0.4584

Sweetspot

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



30.2786, 0.2088, 0.2049



74.7663, 0.2823, 0.2980



67.7800, 0.2638, 0.4099



15.2810, 0.2775, 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.



30.2786, 0.2088, 0.2049



27.1118, 0.1907, 0.1750



16.6255, 0.2000, 0.1318



16.2655, 0.2980, 0.3144



8.2588, 0.1684, 0.1262



0.8765, 0.1756, 0.1522

Inverse Universe

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



28.0504, 0.4293, 0.2671



26.7976, 0.4681, 0.2624



79.0508, 0.3889, 0.4800



15.8635, 0.3230, 0.3196



10.6271, 0.5379, 0.2737



0.9032, 0.5030, 0.2545

Previews

White Background



This preview shows how the Yxy color 30.2776, 0.2088, 0.2049 looks on a white background.

Color Contrast Check

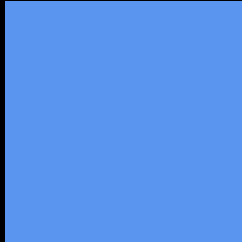
Large Text (above 18pt) WCAG AA × Fail

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 30.2776, 0.2088, 0.2049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

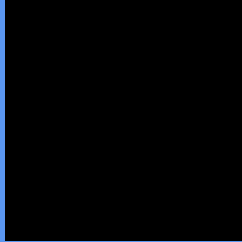
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

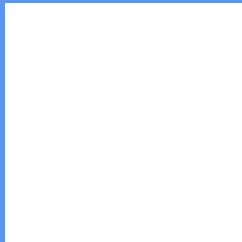
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2776, 0.2088, 0.2049

Background



This preview shows how black text looks on a background with the Yxy color 30.2776, 0.2088, 0.2049.



This preview shows how white text looks on a background with the Yxy color 30.2776, 0.2088, 0.2049.

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

30.2776, 0.2088, 0.2049

Protanopia

30.1913, 0.2216, 0.2067

Deuteranopia

30.1658, 0.2103, 0.2040



Tritanopia

30.2285, 0.2300, 0.3065

Trichromacy



Original Color

30.2776, 0.2088, 0.2049

Protanomaly

29.9851, 0.2164, 0.2057

Deuteranomaly

30.1133, 0.2098, 0.2039

Tritanomaly

29.8793, 0.2210, 0.2634

Monochromacy



Original Color

30.2776, 0.2088, 0.2049

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.6761, 0.2631, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2776, 0.2088, 0.2049 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(90, 150, 240)` looks like.

```
.text, #text, p{  
    color:rgb(90, 150, 240)  
}
```

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(90, 150, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 150, 240) }
```

Border

The CSS property to change the border of an element to Yxy 30.2776, 0.2088, 0.2049 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(90, 150, 240) }
```

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

```
.border{ border-color:rgb(90, 150, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 150, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 150, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 150, 240);  
box-shadow:4px 4px 4px 4px rgb(90, 150,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2776, 0.2088, 0.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 150, 240) }
```

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

```
.background{ background-color: rgb(90, 150,  
240) }
```

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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