

Converting Colors

$Y_{xy}(28.1940, 0.2133, 0.2081)$

Have a look what the booklet for
Yxy(28.1940, 0.2133, 0.2081)
contains.

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Color

Yxy(28.2876, 0.2136, 0.2092)

Conversions

Conversions Part 1

Format	Color
Hex	5E91E5
RGB	94, 145, 229
RGB Percent	37%, 57%, 90%
CMY	0.6313, 0.4314, 0.1021
CMYK	0.59, 0.37, 0.00, 0.10
HSL	217°, 72%, 63%
HSV	217°, 59%, 90%
XYZ	28.8826, 28.2876, 78.0478
YIQ	139.3270, -57.3600, 15.3120

Conversions

Conversions Part 2

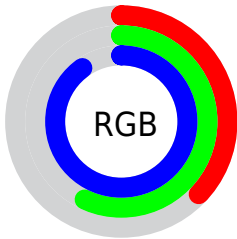
Format	Color
R _Y B	94, 131, 229
Decimal	6197733
CIE Lab	60.15, 7.93, -47.70
CIE LCh	60, 48.356, 279.438
Yxy	28.2876, 0.2136, 0.2092
Android (android.graphics.Color)	4284387813 (0xFF5E91E5)
YUV	139.3270, 44.2088, -39.7518
Hunter-Lab	53.1861, 3.8583, -49.7747

Details

The Yxy color **28.2876, 0.2136, 0.2092** 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 **49.3002, 0.4294, 0.4213**, and the grayscale version is **25.7964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9369, 0.2476, 0.2626**, and **11.3207, 0.1846, 0.1761** is the 20% darker color. If you saturate the color by 10%, you get **23.1673, 0.1982, 0.1849**, and if you desaturate by 10%, it is **34.3148, 0.2304, 0.2332**.

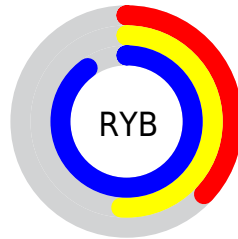
Distribution



Red (37%)

Green (57%)

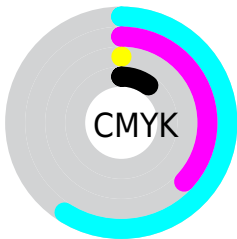
Blue (90%)



Red (37%)

Yellow (51%)

Blue (90%)

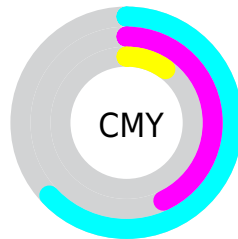


Cyan (59%)

Magenta (37%)

Yellow (0%)

Black (10%)



Cyan (63%)


Magenta (43%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2876, 0.2136, 0.2092 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 28.2876, 0.2136, 0.2092 by changing the saturation by 10% instead.


 28.2876, 0.2136,
0.2092


 28.2876, 0.2136,
0.2092


293.8386, 0.2647,
0.2695

 18.5426, 0.2008,
0.1946


 56.9433, 0.2323,
0.2309


 11.3402, 0.1847,
0.1764


 76.6227, 0.2393,
0.2391

 6.2962, 0.1638,
0.1533


 100.3824, 0.2452,
0.2461

 3.0260, 0.1363,
0.1236

 128.6068, 0.2503,
0.2521

 1.1453, 0.1000,
0.0858

161.6802, 0.2546,
0.2573

 0.0163, 0.0343,
0.0027

199.9870, 0.2584,

 0.0000, 0.0000,

0.2619

0.0000

243.9117, 0.2618,
0.2659

■ 28.2876, 0.2136,
0.2092

■ 28.2876, 0.2136,
0.2092

■ 23.1673, 0.1982,
0.1849

■ 34.3148, 0.2304,
0.2332

■ 18.8982, 0.1849,
0.1613

■ 41.2940, 0.2479,
0.2561

■ 15.4210, 0.1744,
0.1392

■ 49.2701, 0.2654,
0.2775

■ 12.6533, 0.1667,
0.1194

■ 58.2841, 0.2825,
0.2972

■ 12.3918, 0.1660,
0.1175

■ 68.3746, 0.2989,
0.3148

■ 79.5779, 0.3143,
0.3306

■ 91.9286, 0.3286,
0.3445

■ 98.4358, 0.3280,
0.3542

Harmonies

Analogous

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



28.2876, 0.1818, 0.2243



28.2876, 0.2136, 0.2092



28.2876, 0.2732, 0.2198

Triad

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



28.2876, 0.2136, 0.2092



28.2876, 0.4686, 0.3568



28.2876, 0.2616, 0.4296

Complementary

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



28.2876, 0.2136, 0.2092



49.3002, 0.4294, 0.4213

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.



28.2876, 0.3360, 0.4747



28.2876, 0.2136, 0.2092



28.2876, 0.4585, 0.4146

Square

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



28.2876, 0.2136, 0.2092



28.2876, 0.4287, 0.3002



28.2876, 0.4081, 0.4621



28.2876, 0.2052, 0.3458

Rectangle

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



28.2876, 0.2136, 0.2092



28.2876, 0.3252, 0.2391



28.2876, 0.4081, 0.4621



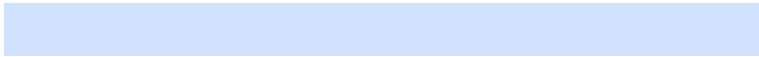
28.2876, 0.2854, 0.4510

Sweetspot

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



28.2886, 0.2136, 0.2092



75.4223, 0.2839, 0.2987



61.5897, 0.2642, 0.4008



15.3854, 0.2790, 0.2932



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.



28.2886, 0.2136, 0.2092



28.1233, 0.1947, 0.1790



16.9649, 0.2087, 0.1443



14.7750, 0.2981, 0.3140



7.3005, 0.1668, 0.1203



0.7138, 0.1749, 0.1495

Inverse Universe

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



26.7076, 0.4231, 0.2728



28.1143, 0.4615, 0.2670



71.0141, 0.3841, 0.4740



14.4576, 0.3233, 0.3202



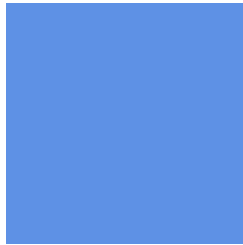
9.9347, 0.5462, 0.2782



0.7517, 0.5065, 0.2564

Previews

White Background



This preview shows how the Yxy color 28.2876, 0.2136, 0.2092 looks on a white background.

Color Contrast Check

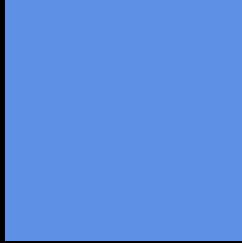
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2876, 0.2136, 0.2092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

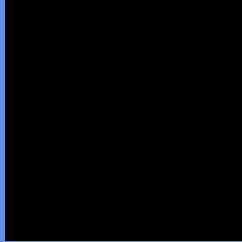
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

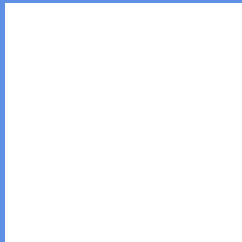
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2876, 0.2136, 0.2092

Background



This preview shows how black text looks on a background with the Yxy color 28.2876, 0.2136, 0.2092.



This preview shows how white text looks on a background with the Yxy color 28.2876, 0.2136, 0.2092.

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

28.2876, 0.2136, 0.2092

Protanopia

28.3477, 0.2248, 0.2109

Deuteranopia

28.1450, 0.2148, 0.2081



Tritanopia

28.2814, 0.2356, 0.3061

Trichromacy



Original Color

28.2876, 0.2136, 0.2092

Protanomaly

28.2551, 0.2204, 0.2102

Deuteranomaly

28.0905, 0.2143, 0.2080

Tritanomaly

28.1638, 0.2268, 0.2668

Monochromacy



Original Color

28.2876, 0.2136, 0.2092

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.2393, 0.2670, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2876, 0.2136, 0.2092 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(94, 145, 229)` looks like.

```
.text, #text, p{  
  color:rgb(94, 145, 229)  
}
```

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(94, 145, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 145, 229) }
```

Border

The CSS property to change the border of an element to Yxy 28.2876, 0.2136, 0.2092 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(94, 145, 229) }
```

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

```
.border{ border-color:rgb(94, 145, 229) }
```

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

Here you see how a box with a 4 pixel rgb(94, 145, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 145, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 145, 229);  
box-shadow:4px 4px 4px 4px rgb(94, 145,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2876, 0.2136, 0.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 145, 229) }
```

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

```
.background{ background-color: rgb(94, 145,  
229) }
```

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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