

Converting Colors

$Y_{xy}(28.5137, 0.2119, 0.2051)$

Have a look what the booklet for
Yxy(28.5137, 0.2119, 0.2051)
contains.

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Color

Yxy(28.5137, 0.2119, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	5E91E9
RGB	94, 145, 233
RGB Percent	37%, 57%, 91%
CMY	0.6309, 0.4314, 0.0862
CMYK	0.60, 0.38, 0.00, 0.09
HSL	218°, 76%, 64%
HSV	218°, 60%, 91%
XYZ	29.4591, 28.5137, 81.0506
YIQ	139.7830, -58.6440, 16.5560

Conversions

Conversions Part 2

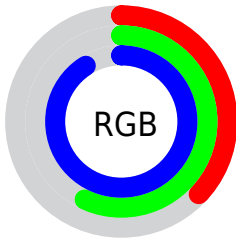
Format	Color
R_{YB}	94, 131, 233
Decimal	6197737
CIE _{Lab}	60.35, 9.28, -49.62
CIE _{LCh}	60, 50.479, 280.592
Yxy	28.5137, 0.2119, 0.2051
Android (android.graphics.Color)	4284387817 (0xFF5E91E9)
YUV	139.7830, 45.9560, -40.1517
Hunter-Lab	53.3982, 5.0291, -52.6147

Details

The Yxy color **28.5137, 0.2119, 0.2051** 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 **51.6521, 0.4299, 0.4238**, and the grayscale version is **25.9825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4782, 0.2474, 0.2613**, and **11.4443, 0.1825, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **23.2384, 0.1965, 0.1804**, and if you desaturate by 10%, it is **34.7494, 0.2288, 0.2296**.

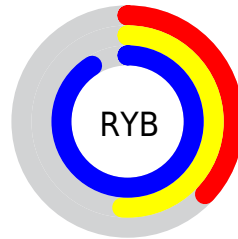
Distribution



Red (37%)

Green (57%)

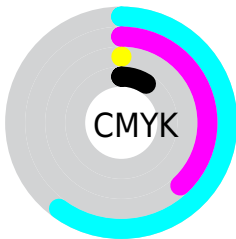
Blue (91%)



Red (37%)

Yellow (51%)

Blue (91%)

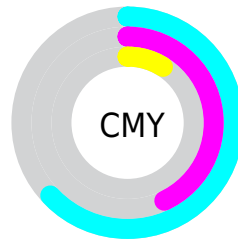


Cyan (60%)

Magenta (38%)

Yellow (0%)

Black (9%)



Cyan (63%)

Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5137, 0.2119, 0.2051 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 28.5137, 0.2119, 0.2051 by changing the saturation by 10% instead.

■ 28.5137, 0.2119,
0.2051

■ 28.5137, 0.2119,
0.2051

■ 294.9135, 0.2638,
0.2670

■ 18.7133, 0.1990,
0.1903

■ 57.3035, 0.2308,
0.2272

■ 11.4633, 0.1828,
0.1719

■ 77.0617, 0.2379,
0.2357

■ 6.3793, 0.1619,
0.1487

■ 100.9080, 0.2439,
0.2429

■ 3.0771, 0.1346,
0.1192

■ 129.2266, 0.2490,
0.2491

■ 1.1721, 0.0988,
0.0821

■ 162.4021, 0.2535,
0.2544

■ 0.0387, 0.0392,
0.0058

■ 200.8188, 0.2573,

■ 0.0000, 0.0000,

0.2591

0.0000

244.8612, 0.2607,
0.2633

■ 28.5137, 0.2119,
0.2051

■ 28.5137, 0.2119,
0.2051

■ 23.2384, 0.1965,
0.1804

■ 34.7494, 0.2288,
0.2296

■ 18.8637, 0.1833,
0.1565

■ 41.9942, 0.2464,
0.2531

■ 15.3254, 0.1728,
0.1344

■ 50.2964, 0.2641,
0.2751


■ 12.5308, 0.1653,
0.1148


■ 59.7002, 0.2813,
0.2952

■ 12.4333, 0.1650,
0.1141

■ 70.2468, 0.2978,
0.3134

 81.9754, 0.3133,
0.3296

 94.4988, 0.3262,
0.3440

 98.6639, 0.3256,
0.3503

Harmonies

Analogous

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



28.5137, 0.1781, 0.2192



28.5137, 0.2119, 0.2051



28.5137, 0.2744, 0.2170

Triad

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



28.5137, 0.2119, 0.2051



28.5137, 0.4753, 0.3593



28.5137, 0.2566, 0.4314

Complementary

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



28.5137, 0.2119, 0.2051



51.6521, 0.4299, 0.4238

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.



28.5137, 0.3332, 0.4805



28.5137, 0.2119, 0.2051



28.5137, 0.4623, 0.4190

Square

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



28.5137, 0.2119, 0.2051



28.5137, 0.4359, 0.3009



28.5137, 0.4084, 0.4682



28.5137, 0.1995, 0.3427

Rectangle

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



28.5137, 0.2119, 0.2051



28.5137, 0.3288, 0.2374



28.5137, 0.4084, 0.4682



28.5137, 0.2809, 0.4545

Sweetspot

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



28.5147, 0.2119, 0.2051



75.1332, 0.2839, 0.2981



64.0516, 0.2627, 0.3985



15.3155, 0.2789, 0.2925



0.0000, 0.0000, 0.0000



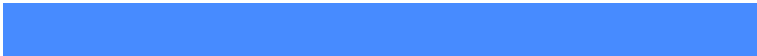
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5147, 0.2119, 0.2051



26.9348, 0.1926, 0.1737



17.3964, 0.2089, 0.1426



15.4522, 0.2980, 0.3136



7.2701, 0.1658, 0.1169



0.7488, 0.1735, 0.1446

Inverse Universe

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



27.3954, 0.4276, 0.2741



27.6710, 0.4679, 0.2689



73.4656, 0.3829, 0.4764



15.1452, 0.3235, 0.3204



10.2267, 0.5510, 0.2809



0.8210, 0.5130, 0.2600

Previews

White Background



This preview shows how the Yxy color 28.5137, 0.2119, 0.2051 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 28.5137, 0.2119, 0.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

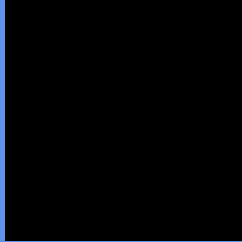
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

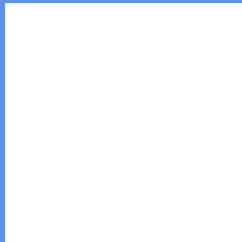
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5137, 0.2119, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 28.5137, 0.2119, 0.2051.



This preview shows how white text looks on a background with the Yxy color 28.5137, 0.2119, 0.2051.

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

28.5137, 0.2119, 0.2051

Protanopia

28.4387, 0.2216, 0.2065

Deuteranopia

28.4611, 0.2114, 0.2050



Tritanopia

28.5873, 0.2345, 0.3062

Trichromacy



Original Color

28.5137, 0.2119, 0.2051

Protanomaly

28.4177, 0.2179, 0.2059

Deuteranomaly

28.4611, 0.2114, 0.2050

Tritanomaly

28.2553, 0.2247, 0.2624

Monochromacy



Original Color

28.5137, 0.2119, 0.2051

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.6129, 0.2656, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5137, 0.2119, 0.2051 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(94, 145, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 145, 233) }
```

Border

The CSS property to change the border of an element to Yxy 28.5137, 0.2119, 0.2051 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, 233) }
```

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

```
.border{ border-color:rgb(94, 145, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 145, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 145, 233);  
box-shadow:4px 4px 4px 4px rgb(94, 145,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5137, 0.2119, 0.2051 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, 233) }
```

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

```
.background{ background-color: rgb(94, 145,  
233) }
```

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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