

Converting Colors

$Y_{xy}(28.0085, 0.1930, 0.1946)$

Have a look what the booklet for
Yxy(28.0085, 0.1930, 0.1946)
contains.

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Color

Yxy(27.9312, 0.1931, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	3193F2
RGB	49, 147, 242
RGB Percent	19%, 58%, 95%
CMY	0.8076, 0.4235, 0.0509
CMYK	0.80, 0.39, 0.00, 0.05
HSL	210°, 88%, 57%
HSV	210°, 80%, 95%
XYZ	27.7302, 27.9312, 87.9438
YIQ	128.5280, -88.9030, 8.7690

Conversions

Conversions Part 2

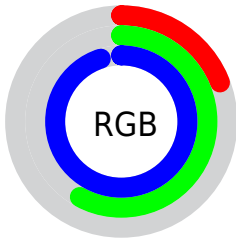
Format	Color
R _Y B	49, 114, 242
Decimal	3249138
CIE Lab	59.83, 4.78, -55.52
CIE LCh	60, 55.727, 274.923
Yxy	27.9312, 0.1931, 0.1945
Android (android.graphics.Color)	4281439218 (0xFF3193F2)
YUV	128.5280, 55.9417, -69.7461
Hunter-Lab	52.8500, 1.1707, -61.6652

Details

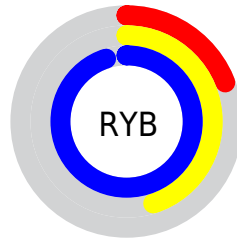
The Yxy color **27.9312, 0.1931, 0.1945** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **39.0700, 0.5007, 0.4148**, and the grayscale version is **21.6099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2784, 0.2328, 0.2625**, and **12.0522, 0.1794, 0.1660** is the 20% darker color. If you saturate the color by 10%, you get **23.9663, 0.1840, 0.1757**, and if you desaturate by 10%, it is **32.6045, 0.2045, 0.2139**.

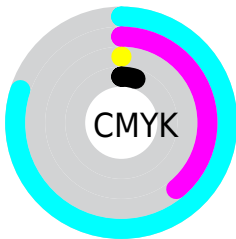
Distribution



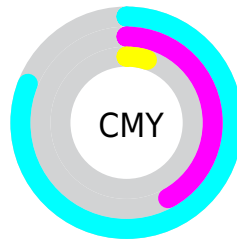
- Red (19%)
- Green (58%)
- Blue (95%)



- Red (19%)
- Yellow (45%)
- Blue (95%)



- Cyan (80%)
- Magenta (39%)
- Yellow (0%)
- Black (5%)





- Cyan (81%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9312, 0.1931, 0.1945 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 27.9312, 0.1931, 0.1945 by changing the saturation by 10% instead.

 27.9312, 0.1931,
0.1945


 27.9312, 0.1931,
0.1945


292.1380, 0.2536,
0.2615


 18.2738, 0.1786,
0.1787


 56.3746, 0.2148,
0.2183


 11.1467, 0.1606,
0.1593

 75.9294, 0.2231,
0.2274

 6.1656, 0.1381,
0.1352


 99.5520, 0.2301,
0.2352

 2.9461, 0.1097,
0.1053

 127.6270, 0.2361,
0.2420

 1.1036, 0.0747,
0.0693

 160.5387, 0.2414,
0.2478

 0.0000, 0.0126,
0.0000

198.6715, 0.2459,

 0.0000, 0.0000,

0.2529

0.0000

242.4098, 0.2500,
0.2575

■ 27.9312, 0.1931,
0.1945

■ 27.9312, 0.1931,
0.1945

■ 23.9663, 0.1840,
0.1757

■ 32.6045, 0.2045,
0.2139

■ 20.6218, 0.1773,
0.1580

■ 38.0400, 0.2179,
0.2333

■ 20.5379, 0.1771,
0.1575

■ 44.2872, 0.2329,
0.2522

■ 51.3900, 0.2488,
0.2703

■ 59.3879, 0.2651,
0.2872

■ 68.3179, 0.2815,
0.3027

■ 78.2145, 0.2976,
0.3167

■ 89.1100, 0.3131,
0.3293

■ 98.7148, 0.3203,
0.3408

Harmonies

Analogous

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



27.9312, 0.1629, 0.2147



27.9312, 0.1931, 0.1945



27.9312, 0.2548, 0.2027

Triad

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



27.9312, 0.1931, 0.1945



27.9312, 0.4891, 0.3475



27.9312, 0.2644, 0.4601

Complementary

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



27.9312, 0.1931, 0.1945



39.0700, 0.5007, 0.4148

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.



27.9312, 0.3495, 0.5005



27.9312, 0.1931, 0.1945



27.9312, 0.4835, 0.4126

Square

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



27.9312, 0.1931, 0.1945



27.9312, 0.4354, 0.2861



27.9312, 0.4296, 0.4724



27.9312, 0.1973, 0.3628

Rectangle

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



27.9312, 0.1931, 0.1945



27.9312, 0.3120, 0.2219



27.9312, 0.4296, 0.4724



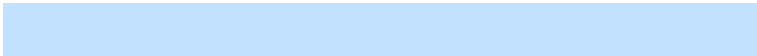
27.9312, 0.2919, 0.4821

Sweetspot

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



27.9321, 0.1931, 0.1945



72.4397, 0.2744, 0.2961



66.1289, 0.2699, 0.4705



14.7453, 0.2686, 0.2905



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.



27.9321, 0.1931, 0.1945



24.4620, 0.1795, 0.1640



9.5461, 0.1641, 0.0845



16.5551, 0.2980, 0.3171



11.3062, 0.1779, 0.1604



1.1397, 0.1844, 0.1839

Inverse Universe

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



23.1872, 0.4479, 0.2416



23.2154, 0.4876, 0.2478



80.7160, 0.4155, 0.4933



15.8927, 0.3214, 0.3171



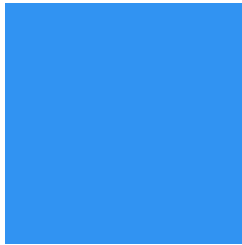
10.9347, 0.4926, 0.2487



0.9298, 0.4639, 0.2329

Previews

White Background



This preview shows how the Yxy color 27.9312, 0.1931, 0.1945 looks on a white background.

Color Contrast Check

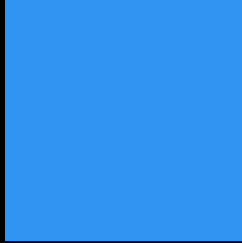
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9312, 0.1931, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

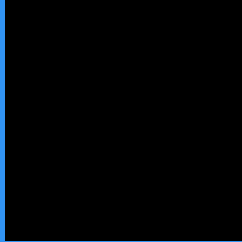
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

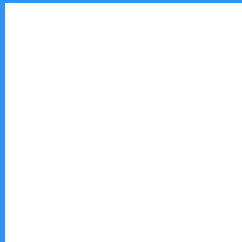
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9312, 0.1931, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 27.9312, 0.1931, 0.1945.



This preview shows how white text looks on a background with the Yxy color 27.9312, 0.1931, 0.1945.

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

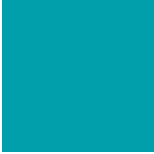
27.9312, 0.1931, 0.1945

Protanopia

27.6974, 0.2147, 0.1976

Deuteranopia

27.7953, 0.1984, 0.1914



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



Original Color

27.9312, 0.1931, 0.1945

Protanomaly

27.7028, 0.2046, 0.1960

Deuteranomaly

27.8119, 0.1961, 0.1919

Tritanomaly

27.6025, 0.2068, 0.2588

Monochromacy



Original Color

27.9312, 0.1931, 0.1945

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.2199, 0.2481, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9312, 0.1931, 0.1945 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(49, 147, 242)` looks like.

```
.text, #text, p{  
  color:rgb(49, 147, 242)  
}
```

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(49, 147, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 147, 242) }
```

Border

The CSS property to change the border of an element to Yxy 27.9312, 0.1931, 0.1945 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(49, 147, 242) }
```

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

```
.border{ border-color:rgb(49, 147, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 147, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 147, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 147, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 147,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9312, 0.1931, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 147, 242) }
```

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

```
.background{ background-color: rgb(49, 147,  
242) }
```

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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