

Converting Colors

$Y_{xy}(27.7744, 0.1992, 0.1963)$

Have a look what the booklet for
Yxy(27.7744, 0.1992, 0.1963)
contains.

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Color

Yxy(27.7480, 0.1991, 0.1962)

Conversions

Conversions Part 1

Format	Color
Hex	4591EF
RGB	69, 145, 239
RGB Percent	27%, 57%, 94%
CMY	0.7293, 0.4314, 0.0628
CMYK	0.71, 0.39, 0.00, 0.06
HSL	213°, 84%, 60%
HSV	213°, 71%, 94%
XYZ	28.1581, 27.7480, 85.5210
YIQ	132.9920, -75.4700, 13.1220

Conversions

Conversions Part 2

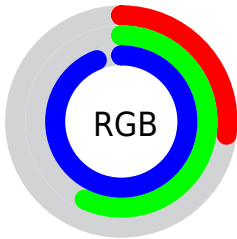
Format	Color
R _{YB}	69, 122, 239
Decimal	4559343
CIE Lab	59.66, 7.20, -54.08
CIE LCh	60, 54.558, 277.579
Yxy	27.7480, 0.1991, 0.1962
Android (android.graphics.Color)	4282749423 (0xFF4591EF)
YUV	132.9920, 52.2619, -56.1210
Hunter-Lab	52.6764, 3.2335, -59.3849

Details

The Yxy color **27.7480, 0.1991, 0.1962** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **44.9723, 0.4676, 0.4226**, and the grayscale version is **23.2816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8424, 0.2378, 0.2597**, and **11.5618, 0.1793, 0.1653** is the 20% darker color. If you saturate the color by 10%, you get **23.2371, 0.1872, 0.1748**, and if you desaturate by 10%, it is **33.0821, 0.2131, 0.2180**.

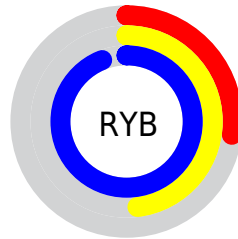
Distribution



Red (27%)

Green (57%)

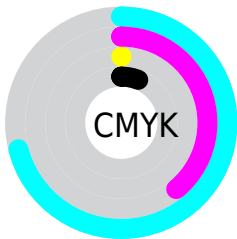
Blue (94%)



Red (27%)

Yellow (48%)

Blue (94%)

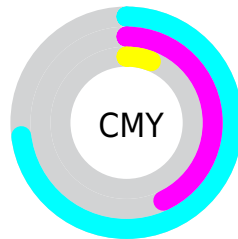


Cyan (71%)

Magenta (39%)

Yellow (0%)

Black (6%)



Cyan (73%)


Magenta (43%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7480, 0.1991, 0.1962 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 27.7480, 0.1991, 0.1962 by changing the saturation by 10% instead.

 27.7480, 0.1991,
0.1962


 27.7480, 0.1991,
0.1962


291.2608, 0.2570,
0.2624


 18.1358, 0.1850,
0.1806


 56.0819, 0.2200,
0.2198


 11.0475, 0.1675,
0.1613


 75.5723, 0.2279,
0.2288

 6.0988, 0.1453,
0.1373


 99.1243, 0.2346,
0.2365

 2.9053, 0.1170,
0.1073

 127.1221, 0.2404,
0.2431

 1.0825, 0.0814,
0.0709

159.9503, 0.2454,
0.2489

 0.0000, 0.0189,
0.0000

197.9933, 0.2497,

 0.0000, 0.0000,

0.2539

0.0000

241.6353, 0.2536,
0.2584

■ 27.7480, 0.1991,
0.1962

■ 27.7480, 0.1991,
0.1962

■ 23.2371, 0.1872,
0.1748

■ 33.0821, 0.2131,
0.2180

■ 19.4856, 0.1779,
0.1545

■ 39.2897, 0.2288,
0.2395

■ 16.7133, 0.1716,
0.1378

■ 46.4192, 0.2453,
0.2600

■ 54.5138, 0.2622,
0.2793

■ 63.6137, 0.2790,
0.2971

■ 73.7566, 0.2954,
0.3131

■ 84.9778, 0.3110,
0.3275

■ 96.3102, 0.3224,
0.3404

■ 99.0111, 0.3220,
0.3444

Harmonies

Analogous

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



27.7480, 0.1665, 0.2135



27.7480, 0.1991, 0.1962



27.7480, 0.2627, 0.2065

Triad

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



27.7480, 0.1991, 0.1962



27.7480, 0.4878, 0.3532



27.7480, 0.2586, 0.4503

Complementary

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



27.7480, 0.1991, 0.1962



44.9723, 0.4676, 0.4226

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.



27.7480, 0.3418, 0.4966



27.7480, 0.1991, 0.1962



27.7480, 0.4777, 0.4174

Square

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



27.7480, 0.1991, 0.1962



27.7480, 0.4398, 0.2920



27.7480, 0.4218, 0.4745



27.7480, 0.1949, 0.3533

Rectangle

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



27.7480, 0.1991, 0.1962



27.7480, 0.3203, 0.2267



27.7480, 0.4218, 0.4745



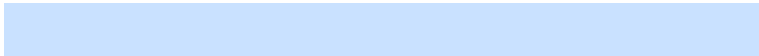
27.7480, 0.2853, 0.4739

Sweetspot

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



27.7489, 0.1991, 0.1962



73.7615, 0.2791, 0.2971



65.6166, 0.2650, 0.4361



15.1368, 0.2745, 0.2924



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.



27.7489, 0.1991, 0.1962



25.0067, 0.1830, 0.1661



12.0890, 0.1797, 0.1044



16.3922, 0.2980, 0.3156



9.4906, 0.1724, 0.1407



0.9852, 0.1794, 0.1659

Inverse Universe

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



24.6511, 0.4426, 0.2547



24.4158, 0.4826, 0.2544



79.0578, 0.4014, 0.4902



15.8763, 0.3223, 0.3185



10.7514, 0.5182, 0.2628



0.9142, 0.4857, 0.2449

Previews

White Background



This preview shows how the Yxy color 27.7480, 0.1991, 0.1962 looks on a white background.

Color Contrast Check

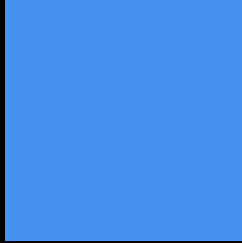
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7480, 0.1991, 0.1962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

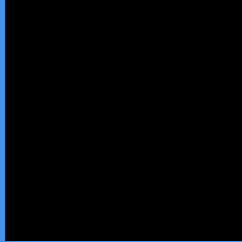
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

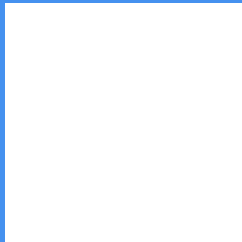
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7480, 0.1991, 0.1962

Background



This preview shows how black text looks on a background with the Yxy color 27.7480, 0.1991, 0.1962.



This preview shows how white text looks on a background with the Yxy color 27.7480, 0.1991, 0.1962.

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

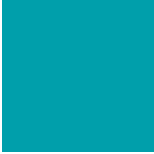
27.7480, 0.1991, 0.1962

Protanopia

27.6999, 0.2157, 0.1988

Deuteranopia

27.7563, 0.2017, 0.1956



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



Original Color

27.7480, 0.1991, 0.1962

Protanomaly

27.6774, 0.2087, 0.1976

Deuteranomaly

27.6344, 0.2005, 0.1953

Tritanomaly

27.3034, 0.2077, 0.2586

Monochromacy



Original Color

27.7480, 0.1991, 0.1962

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.1849, 0.2550, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7480, 0.1991, 0.1962 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(69, 145, 239)` looks like.

```
.text, #text, p{  
  color:rgb(69, 145, 239)  
}
```

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(69, 145, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 145, 239) }
```

Border

The CSS property to change the border of an element to Yxy 27.7480, 0.1991, 0.1962 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(69, 145, 239) }
```

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

```
.border{ border-color:rgb(69, 145, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 145, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 145, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 145, 239);  
box-shadow:4px 4px 4px 4px rgb(69, 145,  
239) }
```


Background

The CSS property to change the background color of an element to `Yxy 27.7480, 0.1991, 0.1962` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 145, 239) }
```

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

```
.background{ background-color: rgb(69, 145,  
239) }
```

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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