

Converting Colors

$Yxy(27.1240, 0.1871, 0.1817)$

Have a look what the booklet for
Yxy(27.1240, 0.1871, 0.1817)
contains.

Yxy(27.2420, 0.1873, 0.1823)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2420, 0.1873, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	2590FA
RGB	37, 144, 250
RGB Percent	15%, 56%, 98%
CMY	0.8547, 0.4353, 0.0197
CMYK	0.85, 0.42, 0.00, 0.02
HSL	210°, 95%, 56%
HSV	210°, 85%, 98%
XYZ	27.9892, 27.2420, 94.2038
YIQ	124.0910, -97.7980, 10.2820

Conversions

Conversions Part 2

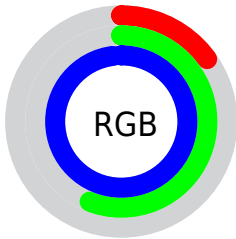
Format	Color
R _Y B	37, 108, 250
Decimal	2461946
CIE Lab	59.20, 8.52, -60.92
CIE LCh	59, 61.517, 277.963
Yxy	27.2420, 0.1873, 0.1823
Android (android.graphics.Color)	4280652026 (0xFF2590FA)
YUV	124.0910, 62.0731, -76.3788
Hunter-Lab	52.1939, 4.3821, -70.4758

Details

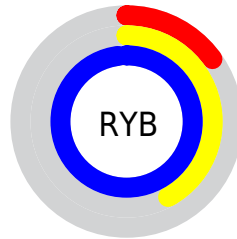
The Yxy color **27.2420, 0.1873, 0.1823** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **40.1073, 0.5134, 0.4153**, and the grayscale version is **20.0080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1456, 0.2300, 0.2570**, and **12.0347, 0.1763, 0.1547** is the 20% darker color. If you saturate the color by 10%, you get **23.3633, 0.1796, 0.1639**, and if you desaturate by 10%, it is **31.8534, 0.1975, 0.2016**.

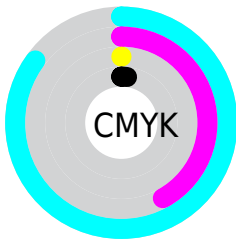
Distribution



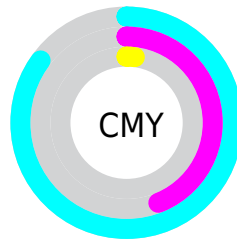
- Red (15%)
- Green (56%)
- Blue (98%)



- Red (15%)
- Yellow (42%)
- Blue (98%)



- Cyan (85%)
- Magenta (42%)
- Yellow (0%)
- Black (2%)





- Cyan (85%)
- Magenta (44%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2420, 0.1873, 0.1823 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 27.2420, 0.1873, 0.1823 by changing the saturation by 10% instead.

 27.2420, 0.1873,
0.1823


 27.2420, 0.1873,
0.1823


288.8269, 0.2505,
0.2543


 17.7551, 0.1724,
0.1658


 55.2720, 0.2098,
0.2076

 10.7743, 0.1540,
0.1458


 74.5838, 0.2184,
0.2173


 5.9153, 0.1312,
0.1214


 97.9393, 0.2258,
0.2257

 2.7936, 0.1029,
0.0919

 125.7230, 0.2321,
0.2330

 1.0250, 0.0690,
0.0578

 158.3192, 0.2376,
0.2394

 0.0000, 0.0135,
0.0000

196.1123, 0.2424,

 0.0000, 0.0000,

0.2449

0.0000

239.4868, 0.2467,
0.2499

■ 27.2420, 0.1873,
0.1823

■ 27.2420, 0.1873,
0.1823

■ 23.3633, 0.1796,
0.1639

■ 31.8534, 0.1975,
0.2016

■ 21.7097, 0.1765,
0.1554

■ 37.2635, 0.2100,
0.2213

■ 43.5305, 0.2242,
0.2408

■ 50.7047, 0.2398,
0.2597

■ 58.8317, 0.2560,
0.2775

■ 67.9535, 0.2725,
0.2940

■ 78.1090, 0.2889,
0.3090

■ 89.3349, 0.3047,
0.3226

■ 99.6805, 0.3156,
0.3338

Harmonies

Analogous

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



27.2420, 0.1520, 0.1995



27.2420, 0.1873, 0.1823



27.2420, 0.2571, 0.1942

Triad

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



27.2420, 0.1873, 0.1823



27.2420, 0.5102, 0.3533



27.2420, 0.2490, 0.4680

Complementary

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



27.2420, 0.1873, 0.1823



40.1073, 0.5134, 0.4153

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.



27.2420, 0.3408, 0.5203



27.2420, 0.1873, 0.1823



27.2420, 0.4951, 0.4238

Square

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



27.2420, 0.1873, 0.1823



27.2420, 0.4577, 0.2872



27.2420, 0.4302, 0.4903



27.2420, 0.1800, 0.3537

Rectangle

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



27.2420, 0.1873, 0.1823



27.2420, 0.3217, 0.2163



27.2420, 0.4302, 0.4903



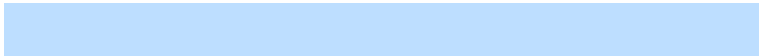
27.2420, 0.2783, 0.4956

Sweetspot

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



27.2428, 0.1873, 0.1823



70.2439, 0.2711, 0.2926



70.6423, 0.2705, 0.4817



14.3077, 0.2654, 0.2870



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.



27.2428, 0.1873, 0.1823



22.6801, 0.1765, 0.1553



8.8539, 0.1582, 0.0745



18.0838, 0.2980, 0.3169



11.8062, 0.1773, 0.1583



1.3055, 0.1833, 0.1798

Inverse Universe

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



23.6599, 0.4634, 0.2430



22.8207, 0.4991, 0.2523



86.6241, 0.4184, 0.4976



17.3707, 0.3215, 0.3171



11.6027, 0.4953, 0.2502



1.0960, 0.4688, 0.2356

Previews

White Background



This preview shows how the Yxy color 27.2420, 0.1873, 0.1823 looks on a white background.

Color Contrast Check

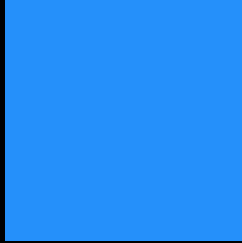
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2420, 0.1873, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

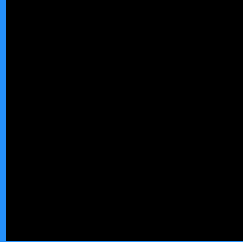
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

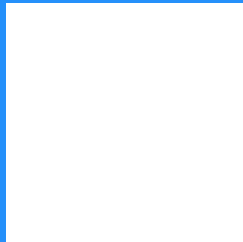
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2420, 0.1873, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 27.2420, 0.1873, 0.1823.



This preview shows how white text looks on a background with the Yxy color 27.2420, 0.1873, 0.1823.

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

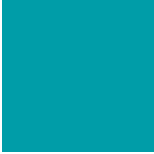
27.2420, 0.1873, 0.1823

Protanopia

27.0883, 0.2052, 0.1851

Deuteranopia

27.3841, 0.1886, 0.1827



Tritanopia

26.9411, 0.2191, 0.3086

Trichromacy



Original Color

27.2420, 0.1873, 0.1823

Protanomaly

26.8265, 0.1964, 0.1832

Deuteranomaly

27.3201, 0.1880, 0.1825

Tritanomaly

26.6193, 0.2044, 0.2520

Monochromacy



Original Color

27.2420, 0.1873, 0.1823

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.4102, 0.2404, 0.2601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2420, 0.1873, 0.1823 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(37, 144, 250)` looks like.

```
.text, #text, p{  
    color:rgb(37, 144, 250)  
}
```

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(37, 144, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 144, 250) }
```

Border

The CSS property to change the border of an element to Yxy 27.2420, 0.1873, 0.1823 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(37, 144, 250) }
```

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

```
.border{ border-color:rgb(37, 144, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 144, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 144, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 144, 250);  
box-shadow:4px 4px 4px 4px rgb(37, 144,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2420, 0.1873, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 144, 250) }
```

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

```
.background{ background-color: rgb(37, 144,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor