Converting Colors

Yxy(26.3805, 0.1989, 0.2189)

Have a look what the booklet for Yxy(26.3805, 0.1989, 0.2189) contains.

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Color

Yxy(26.3805, 0.1989, 0.2189)

Conversions

Conversions Part 1

Format	Color
Hex	2893DA
RGB	40, 147, 218
RGB Percent	16%, 58%, 85%
CMY	0.8423, 0.4236, 0.1451
CMYK	0.82, 0.33, 0.00, 0.15
HSL	204°, 71%, 51%
HSV	204°, 82%, 85%
XYZ	23.9702, 26.3805, 70.1632
YIQ	123.1010, -86.5630, -0.6030

Conversions

Conversions Part 2

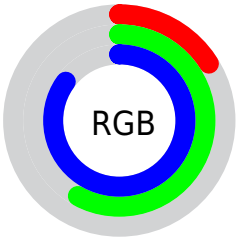
Format	Color
RYB	40, 107, 218
Decimal	2659290
CIELab	58.40, -4.78, -44.48
CIELCh	58, 44.734, 263.872
Yxy	26.3805, 0.1989, 0.2189
Android (android.graphics.Color)	4280849370 (0xFF2893DA)
YUV	123.1010, 46.7852, -72.8796
Hunter-Lab	51.3620, -6.5789, -45.0400

Details

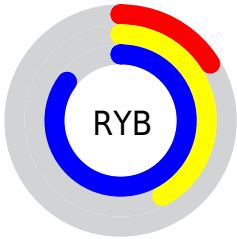
The Yxy color 26.3805, 0.1989, 0.2189 is a dark color, and the websafe version is hex 3399CC. The color can be described as middle washed azure. A complement of this color would be 26.4822, 0.5242, 0.3965, and the grayscale version is 19.7267, 0.3127, 0.3290.

A 20% lighter version of the original color is 52.5707, 0.2285, 0.2618, and 11.1937, 0.1867, 0.1919 is the 20% darker color. If you saturate the color by 10%, you get 23.4521, 0.1913, 0.2036, and if you desaturate by 10%, it is 29.7621, 0.2086, 0.2345.

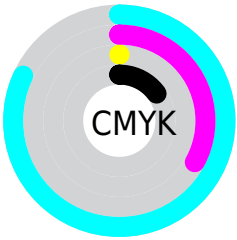
Distribution



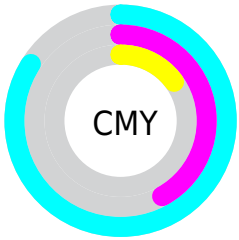
- Red (16%)
- Green (58%)
- Blue (85%)



- Red (16%)
- Yellow (42%)
- Blue (85%)



- Cyan (82%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)



- Cyan (84%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3805, 0.1989, 0.2189 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 26.3805, 0.1989, 0.2189 by changing the saturation by 10% instead.

26.3805, 0.1989, 0.2189

284.6450, 0.2575, 0.2764

53.8882, 0.2203, 0.2401

72.8926, 0.2283, 0.2480

95.9100, 0.2351, 0.2546

123.3247, 0.2409, 0.2603

155.5212, 0.2459, 0.2652

192.8838, 0.2502,

26.3805, 0.1989, 0.2189

17.1085, 0.1844, 0.2043

10.3119, 0.1660, 0.1858

5.6062, 0.1425, 0.1617

2.6072, 0.1119, 0.1299

0.9303, 0.0729, 0.0884

0.0000, 0.0000, 0.0000

0.2694

235.7969, 0.2541, 0.2731

26.3805, 0.1989, 0.2189

23.4521, 0.1913, 0.2036

21.2741, 0.1864, 0.1910

26.3805, 0.1989, 0.2189

29.7621, 0.2086, 0.2345

33.6348, 0.2203, 0.2500

38.0338, 0.2336, 0.2651

42.9897, 0.2482, 0.2796

48.5298, 0.2635, 0.2931

54.6796, 0.2792, 0.3057

61.4627, 0.2949, 0.3172

68.9011, 0.3104, 0.3275

77.0158, 0.3254, 0.3367

Harmonies

Analogous

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

26.3805, 0.1824, 0.2483

26.3805, 0.1989, 0.2189

26.3805, 0.2426, 0.2165

Triad

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

26.3805, 0.1989, 0.2189

26.3805, 0.4464, 0.3276

26.3805, 0.3005, 0.4525

Complementary

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

26.3805, 0.1989, 0.2189

26.4822, 0.5242, 0.3965

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.

26.3805, 0.3727, 0.4668

26.3805, 0.1989, 0.2189

26.3805, 0.4619, 0.3834

Square

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

26.3805, 0.1989, 0.2189

26.3805, 0.3878, 0.2764

26.3805, 0.4325, 0.4353

26.3805, 0.2355, 0.3878

Rectangle

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

26.3805, 0.1989, 0.2189

26.3805, 0.2857, 0.2279

26.3805, 0.4325, 0.4353

26.3805, 0.3247, 0.4635

Sweetspot

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

26.3814, 0.1989, 0.2189

75.5648, 0.2750, 0.3025

51.6931, 0.2781, 0.5012

15.4955, 0.2693, 0.2980

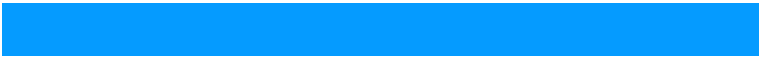
0.0000, 0.0000, 0.0000

21.4041, 0.3127, 0.3290

Same Dimension

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

26.3814, 0.1989, 0.2189



30.7537, 0.1871, 0.1927

8.8510, 0.1666, 0.0969

13.9113, 0.2982, 0.3194

12.9601, 0.1870, 0.1932

1.0065, 0.1938, 0.2177

Inverse Universe

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

18.5451, 0.4219, 0.2239

23.7431, 0.4534, 0.2280

55.1147, 0.4308, 0.4813

13.1822, 0.3198, 0.3151

9.9321, 0.4531, 0.2269

0.6603, 0.4258, 0.2119

Previews

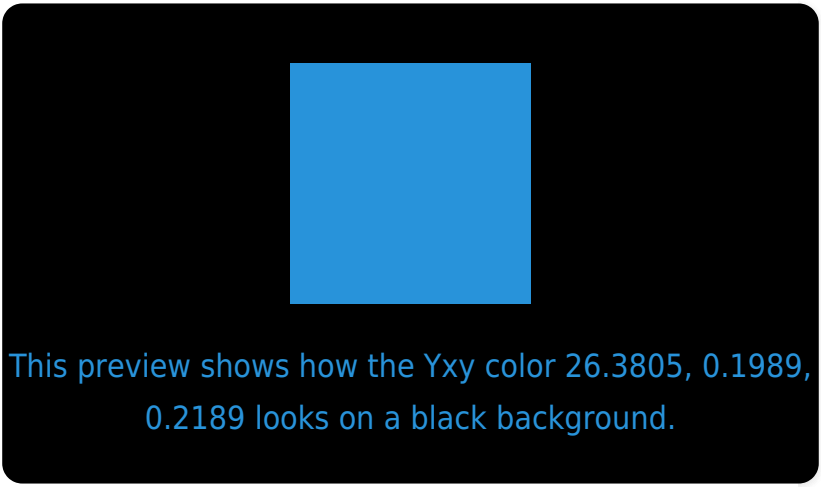
White Background

This preview shows how the Yxy color 26.3805, 0.1989, 0.2189 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 26.3805, 0.1989, 0.2189 looks on a black background.

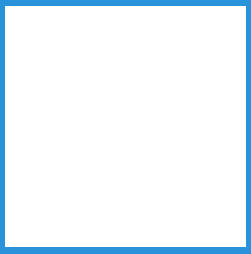
Color Contrast Check

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 26.3805, 0.1989, 0.2189 Background

This preview shows how black text looks on a background with the Yxy color 26.3805, 0.1989, 0.2189.



This preview shows how white text looks on a background with the Yxy color 26.3805, 0.1989, 0.2189.

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

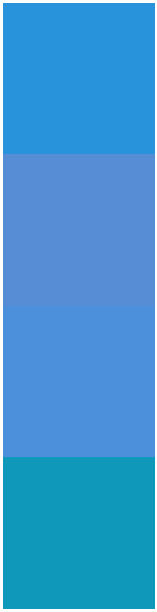
Original Color
26.3805, 0.1989, 0.2189

Protanopia
26.0722, 0.2334, 0.2221

Deuteranopia
26.4103, 0.2171, 0.2114

Tritanopia
26.2327, 0.2185, 0.3066

Trichromacy



Original Color
26.3805, 0.1989, 0.2189

Protanomaly
25.8295, 0.2164, 0.2206

Deuteranomaly
26.2959, 0.2087, 0.2144

Tritanomaly
26.1032, 0.2096, 0.2696

Monochromacy

Original Color
26.3805, 0.1989, 0.2189

Achromatopsia
19.8069, 0.3127, 0.3290

Achromatomaly
21.2983, 0.2502, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3805, 0.1989, 0.2189 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(40, 147, 218) looks like.

```
.text, #text, p{
    color:rgb(40, 147, 218)
}
```

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(40, 147, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 147, 218) }
```

Border

The CSS property to change the border of an element to Yxy 26.3805, 0.1989, 0.2189 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(40, 147, 218) }
```

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

```
.border{ border-color:rgb(40, 147, 218) }
```

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

Here you see how a box with a 4 pixel rgb(40, 147, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(40, 147, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(40, 147, 218); box-shadow:4px 4px 4px 4px rgb(40, 147, 218) }
```

Background

The CSS property to change the background color of an element to Yxy 26.3805, 0.1989, 0.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(40, 147, 218) }
```

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

```
.background{ background-color:rgb(40, 147,
218) }
```

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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