

Converting Colors

$Y_{xy}(27.0280, 0.2000, 0.2013)$

Have a look what the booklet for
Yxy(27.0280, 0.2000, 0.2013)
contains.

Yxy(26.9310, 0.2001, 0.2012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.9310, 0.2001, 0.2012)

Conversions

Conversions Part 1

Format	Color
Hex	4290E8
RGB	66, 144, 232
RGB Percent	26%, 56%, 91%
CMY	0.7414, 0.4353, 0.0902
CMYK	0.72, 0.38, 0.00, 0.09
HSL	212°, 78%, 58%
HSV	212°, 72%, 91%
XYZ	26.7838, 26.9310, 80.1371
YIQ	130.7100, -74.7360, 10.8320

Conversions

Conversions Part 2

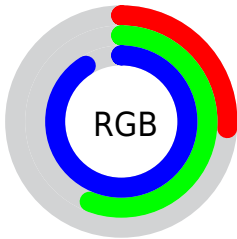
Format	Color
R _{YB}	66, 119, 232
Decimal	4362472
CIE _{Lab}	58.91, 4.91, -51.42
CIE _{LCh}	59, 51.652, 275.460
Yxy	26.9310, 0.2001, 0.2012
Android (android.graphics.Color)	4282552552 (0xFF4290E8)
YUV	130.7100, 49.9360, -56.7507
Hunter-Lab	51.8951, 1.3099, -55.2299

Details

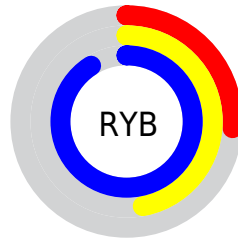
The Yxy color **26.9310, 0.2001, 0.2012** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **40.6479, 0.4721, 0.4189**, and the grayscale version is **22.4239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0580, 0.2356, 0.2580**, and **11.1400, 0.1805, 0.1699** is the 20% darker color. If you saturate the color by 10%, you get **22.7592, 0.1886, 0.1806**, and if you desaturate by 10%, it is **31.8368, 0.2137, 0.2221**.

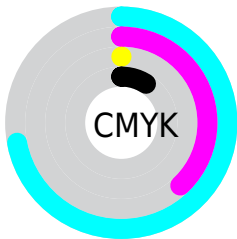
Distribution



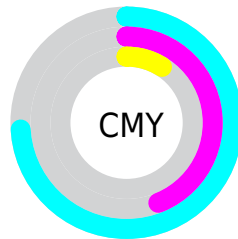
- Red (26%)
- Green (56%)
- Blue (91%)



- Red (26%)
- Yellow (47%)
- Blue (91%)



- Cyan (72%)
- Magenta (38%)
- Yellow (0%)
- Black (9%)



- Cyan (74%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9310, 0.2001, 0.2012 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 26.9310, 0.2001, 0.2012 by changing the saturation by 10% instead.

■ 26.9310, 0.2001,
0.2012

■ 26.9310, 0.2001,
0.2012

287.3229, 0.2578,
0.2657

■ 17.5214, 0.1859,
0.1857

■ 54.7731, 0.2210,
0.2244

■ 10.6069, 0.1682,
0.1663

■ 73.9744, 0.2290,
0.2332

■ 5.8032, 0.1455,
0.1420

■ 97.2085, 0.2356,
0.2407

■ 2.7258, 0.1164,
0.1113

■ 124.8596, 0.2414,
0.2471

■ 0.9903, 0.0797,
0.0733

157.3122, 0.2463,
0.2527

■ 0.0000, 0.0009,
0.0000

194.9507, 0.2507,

■ 0.0000, 0.0000,

0.2576

0.0000

238.1594, 0.2545,
0.2619

■ 26.9310, 0.2001,
0.2012

■ 26.9310, 0.2001,
0.2012

■ 22.7592, 0.1886,
0.1806

■ 31.8368, 0.2137,
0.2221

■ 19.2634, 0.1796,
0.1609

■ 37.5215, 0.2289,
0.2426

■ 16.7751, 0.1737,
0.1454

■ 44.0286, 0.2451,
0.2623

■ 51.3968, 0.2618,
0.2807

■ 59.6621, 0.2784,
0.2977

■ 68.8581, 0.2947,
0.3132

■ 79.0164, 0.3103,
0.3270

■ 90.1670, 0.3251,
0.3392

■ 98.3953, 0.3262,
0.3509

Harmonies

Analogous

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



26.9310, 0.1705, 0.2205



26.9310, 0.2001, 0.2012



26.9310, 0.2596, 0.2093

Triad

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



26.9310, 0.2001, 0.2012



26.9310, 0.4789, 0.3490



26.9310, 0.2666, 0.4496

Complementary

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



26.9310, 0.2001, 0.2012



40.6479, 0.4721, 0.4189

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.



26.9310, 0.3473, 0.4894



26.9310, 0.2001, 0.2012



26.9310, 0.4738, 0.4110

Square

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



26.9310, 0.2001, 0.2012



26.9310, 0.4292, 0.2899



26.9310, 0.4232, 0.4662



26.9310, 0.2030, 0.3594

Rectangle

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



26.9310, 0.2001, 0.2012



26.9310, 0.3140, 0.2279



26.9310, 0.4232, 0.4662



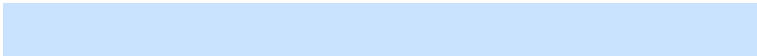
26.9310, 0.2927, 0.4705

Sweetspot

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



26.9319, 0.2001, 0.2012



74.4306, 0.2792, 0.2985



61.1342, 0.2676, 0.4451



15.2952, 0.2746, 0.2939



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.



26.9319, 0.2001, 0.2012



25.9907, 0.1839, 0.1709



10.9731, 0.1764, 0.1022



14.9986, 0.2981, 0.3162



9.5597, 0.1746, 0.1483



0.8911, 0.1822, 0.1758

Inverse Universe

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



23.0625, 0.4374, 0.2506



24.3613, 0.4772, 0.2500



74.8094, 0.4058, 0.4878



14.4802, 0.3219, 0.3180



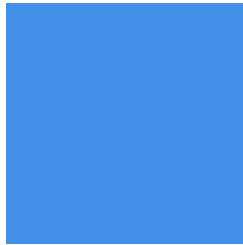
10.1628, 0.5081, 0.2573



0.7696, 0.4736, 0.2383

Previews

White Background



This preview shows how the Yxy color 26.9310, 0.2001, 0.2012 looks on a white background.

Color Contrast Check

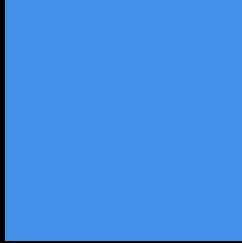
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9310, 0.2001, 0.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

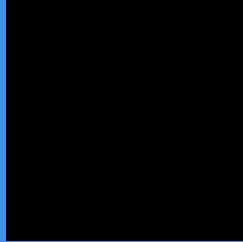
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

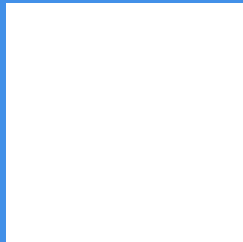
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.9310, 0.2001, 0.2012

Background



This preview shows how black text looks on a background with the Yxy color 26.9310, 0.2001, 0.2012.



This preview shows how white text looks on a background with the Yxy color 26.9310, 0.2001, 0.2012.

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

26.9310, 0.2001, 0.2012

Protanopia

26.7321, 0.2194, 0.2039

Deuteranopia

27.0230, 0.2053, 0.1991



Tritanopia

26.9785, 0.2186, 0.3068

Trichromacy



Original Color

26.9310, 0.2001, 0.2012

Protanomaly

26.5817, 0.2109, 0.2024

Deuteranomaly

27.0646, 0.2031, 0.1998

Tritanomaly

26.4564, 0.2082, 0.2608

Monochromacy



Original Color

26.9310, 0.2001, 0.2012

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.5613, 0.2553, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9310, 0.2001, 0.2012 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(66, 144, 232)` looks like.

```
.text, #text, p{  
    color:rgb(66, 144, 232)  
}
```

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(66, 144, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 144, 232) }
```

Border

The CSS property to change the border of an element to Yxy 26.9310, 0.2001, 0.2012 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(66, 144, 232) }
```

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

```
.border{ border-color:rgb(66, 144, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 144, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 144, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 144, 232);  
box-shadow:4px 4px 4px 4px rgb(66, 144,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9310, 0.2001, 0.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 144, 232) }
```

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

```
.background{ background-color: rgb(66, 144,  
232) }
```

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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