

Converting Colors

$Y_{xy}(26.9364, 0.2108, 0.2372)$

Have a look what the booklet for
Yxy(26.9364, 0.2108, 0.2372)
contains.

Yxy(27.0566, 0.2109, 0.2371)	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(27.0566, 0.2109, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	3F95CF
RGB	63, 149, 207
RGB Percent	25%, 58%, 81%
CMY	0.7524, 0.4157, 0.1882
CMYK	0.70, 0.28, 0.00, 0.19
HSL	204°, 60%, 53%
HSV	204°, 70%, 81%
XYZ	24.0668, 27.0566, 62.9913
YIQ	129.8980, -69.8740, -0.1940

Conversions

Conversions Part 2

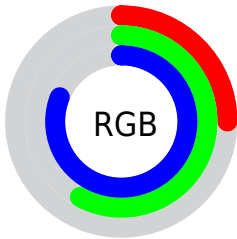
Format	Color
R _{YB}	63, 117, 207
Decimal	4167119
CIE Lab	59.03, -7.07, -37.29
CIE LCh	59, 37.957, 259.268
Yxy	27.0566, 0.2109, 0.2371
Android (android.graphics.Color)	4282357199 (0xFF3F95CF)
YUV	129.8980, 38.0113, -58.6695
Hunter-Lab	52.0160, -8.4394, -35.3890

Details

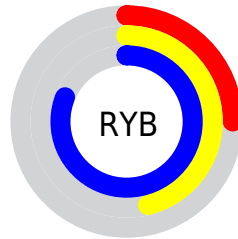
The Yxy color **27.0566, 0.2109, 0.2371** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **27.3411, 0.4849, 0.3959**, and the grayscale version is **22.1797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3675, 0.2343, 0.2653**, and **11.1907, 0.1924, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **23.9502, 0.2007, 0.2214**, and if you desaturate by 10%, it is **30.6105, 0.2230, 0.2527**.

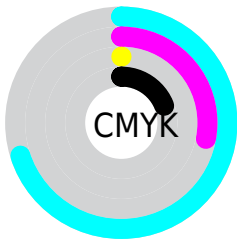
Distribution



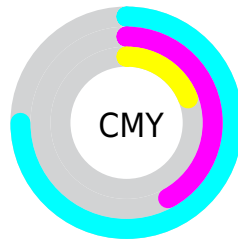
- Red (25%)
- Green (58%)
- Blue (81%)



- Red (25%)
- Yellow (46%)
- Blue (81%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (19%)



- Cyan (75%)
- Magenta (42%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0566, 0.2109, 0.2371 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 27.0566, 0.2109, 0.2371 by changing the saturation by 10% instead.

■ 27.0566, 0.2109,
0.2371

■ 27.0566, 0.2109,
0.2371

■ 287.9311, 0.2637,
0.2859

■ 17.6157, 0.1975,
0.2244

■ 54.9747, 0.2303,
0.2553

■ 10.6745, 0.1804,
0.2078

■ 74.2207, 0.2376,
0.2620

■ 5.8484, 0.1580,
0.1858

■ 97.5039, 0.2437,
0.2677

■ 2.7531, 0.1280,
0.1555

■ 125.2086, 0.2489,
0.2724

■ 1.0042, 0.0877,
0.1133

■ 157.7193, 0.2533,
0.2765

■ 0.0000, 0.0000,
0.0000

195.4203, 0.2572,

0.2800

238.6961, 0.2607,
0.2831

■ 27.0566, 0.2109,
0.2371

■ 27.0566, 0.2109,
0.2371

■ 23.9502, 0.2007,
0.2214

■ 30.6105, 0.2230,
0.2527

■ 21.2543, 0.1926,
0.2059

■ 34.6387, 0.2367,
0.2678

■ 18.9127, 0.1864,
0.1908

■ 39.1683, 0.2514,
0.2821

■ 18.8017, 0.1861,
0.1901

■ 44.2234, 0.2668,
0.2956

■ 49.8260, 0.2825,
0.3080

■ 55.9967, 0.2981,
0.3193

■ 62.7547, 0.3135,
0.3295

■ 70.1186, 0.3283,
0.3386

■ 78.1056, 0.3425,
0.3466

Harmonies

Analogous

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



27.0566, 0.2003, 0.2676



27.0566, 0.2109, 0.2371



27.0566, 0.2459, 0.2308

Triad

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



27.0566, 0.2109, 0.2371



27.0566, 0.4196, 0.3221



27.0566, 0.3133, 0.4359

Complementary

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



27.0566, 0.2109, 0.2371



27.3411, 0.4849, 0.3959

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.



27.0566, 0.3743, 0.4433



27.0566, 0.2109, 0.2371



27.0566, 0.4396, 0.3706

Square

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



27.0566, 0.2109, 0.2371



27.0566, 0.3667, 0.2781



27.0566, 0.4214, 0.4155



27.0566, 0.2553, 0.3879

Rectangle

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



27.0566, 0.2109, 0.2371



27.0566, 0.2812, 0.2386



27.0566, 0.4214, 0.4155



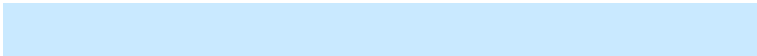
27.0566, 0.3341, 0.4432

Sweetspot

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



27.0575, 0.2109, 0.2371



78.2066, 0.2797, 0.3059



47.0646, 0.2767, 0.4684



16.1925, 0.2753, 0.3025



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.



27.0575, 0.2109, 0.2371



36.3568, 0.1968, 0.2144



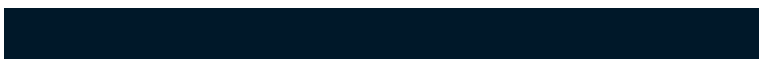
10.9483, 0.1835, 0.1255



12.5739, 0.2983, 0.3194



12.0345, 0.1867, 0.1922



0.8263, 0.1944, 0.2199

Inverse Universe

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



19.0066, 0.4002, 0.2309



25.9021, 0.4272, 0.2243



51.6006, 0.4166, 0.4712



11.9250, 0.3199, 0.3152



9.2862, 0.4542, 0.2276



0.5347, 0.4233, 0.2106

Previews

White Background



This preview shows how the Yxy color 27.0566, 0.2109, 0.2371 looks on a white background.

Color Contrast Check

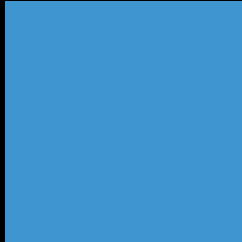
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0566, 0.2109, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

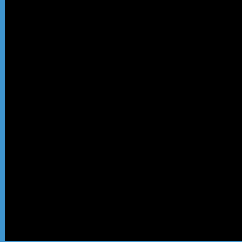
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

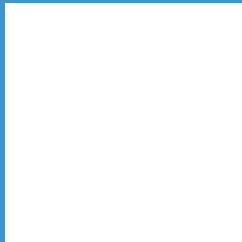
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0566, 0.2109, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 27.0566, 0.2109, 0.2371.

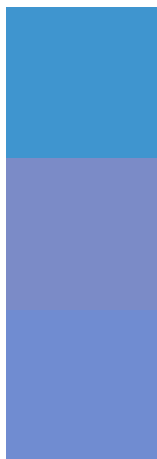


This preview shows how white text looks on a background with the Yxy color 27.0566, 0.2109, 0.2371.

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

27.0566, 0.2109, 0.2371

Protanopia

26.7997, 0.2468, 0.2387

Deuteranopia

26.8044, 0.2328, 0.2264



Tritanopia

27.0166, 0.2235, 0.3053

Trichromacy



Original Color

27.0566, 0.2109, 0.2371

Protanomaly

26.6759, 0.2304, 0.2378

Deuteranomaly

26.5787, 0.2229, 0.2294

Tritanomaly

26.7822, 0.2178, 0.2769

Monochromacy



Original Color

27.0566, 0.2109, 0.2371

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.4241, 0.2625, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0566, 0.2109, 0.2371 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(63, 149, 207)` looks like.

```
.text, #text, p{  
  color:rgb(63, 149, 207)  
}
```

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(63, 149, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 149, 207) }
```

Border

The CSS property to change the border of an element to Yxy 27.0566, 0.2109, 0.2371 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(63, 149, 207) }
```

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

```
.border{ border-color:rgb(63, 149, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 149, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 149, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 149, 207);  
box-shadow:4px 4px 4px 4px rgb(63, 149,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0566, 0.2109, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 149, 207) }
```

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

```
.background{ background-color: rgb(63, 149,  
207) }
```

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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