

Converting Colors

$Y_{xy}(29.2901, 0.2026, 0.2073)$

Have a look what the booklet for
Yxy(29.2901, 0.2026, 0.2073)
contains.

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Color

Yxy(29.1709, 0.2023, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	4696EC
RGB	70, 150, 236
RGB Percent	27%, 59%, 93%
CMY	0.7258, 0.4117, 0.0746
CMYK	0.70, 0.36, 0.00, 0.07
HSL	211°, 81%, 60%
HSV	211°, 70%, 93%
XYZ	28.5638, 29.1709, 83.4604
YIQ	135.8840, -75.2860, 9.7860

Conversions

Conversions Part 2

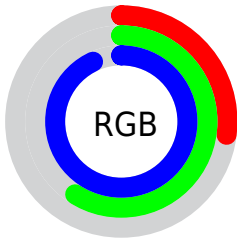
Format	Color
RYB	70, 124, 236
Decimal	4626156
CIELab	60.93, 3.31, -50.39
CIELCh	61, 50.503, 273.754
Yxy	29.1709, 0.2023, 0.2066
Android (android.graphics.Color)	4282816236 (0xFF4696EC)
YUV	135.8840, 49.3572, -57.7803
Hunter-Lab	54.0101, -0.1162, -53.8122

Details

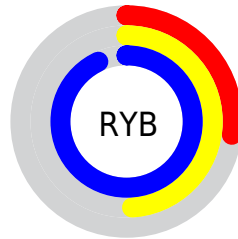
The Yxy color **29.1709, 0.2023, 0.2066** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **42.0006, 0.4711, 0.4161**, and the grayscale version is **24.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6400, 0.2392, 0.2673**, and **12.4096, 0.1825, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **24.7636, 0.1907, 0.1864**, and if you desaturate by 10%, it is **34.3309, 0.2160, 0.2270**.

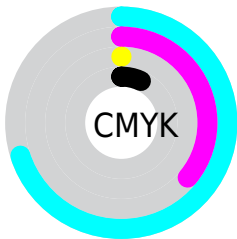
Distribution



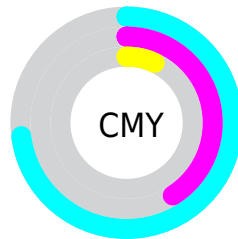
- Red (27%)
- Green (59%)
- Blue (93%)



- Red (27%)
- Yellow (49%)
- Blue (93%)



- Cyan (70%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1709, 0.2023, 0.2066 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 29.1709, 0.2023, 0.2066 by changing the saturation by 10% instead.

■ 29.1709, 0.2023,
0.2066

■ 29.1709, 0.2023,
0.2066

■ 298.0205, 0.2583,
0.2681

■ 19.2101, 0.1887,
0.1919

■ 58.3485, 0.2225,
0.2286

■ 11.8222, 0.1717,
0.1735

■ 78.3341, 0.2302,
0.2370

■ 6.6227, 0.1500,
0.1504

■ 102.4302, 0.2367,
0.2442

■ 3.2273, 0.1222,
0.1209

■ 131.0210, 0.2422,
0.2503

■ 1.2515, 0.0868,
0.0840

■ 164.4911, 0.2471,
0.2556

■ 0.1032, 0.0250,
0.0144

■ 203.2248, 0.2513,

■ 0.0000, 0.0000,

0.2603

0.0000

247.6064, 0.2550,
0.2644

■ 29.1709, 0.2023,
0.2066

■ 29.1709, 0.2023,
0.2066

■ 24.7636, 0.1907,
0.1864

■ 34.3309, 0.2160,
0.2270

■ 21.0505, 0.1815,
0.1669

■ 40.2885, 0.2312,
0.2470

■ 18.0515, 0.1748,
0.1493

■ 47.0878, 0.2473,
0.2661

■ 54.7679, 0.2639,
0.2839

■ 63.3651, 0.2804,
0.3003

■ 72.9134, 0.2966,
0.3152

■ 83.4448, 0.3121,
0.3285

■ 94.2835, 0.3245,
0.3404

■ 98.8345, 0.3238,
0.3474

Harmonies

Analogous

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



29.1709, 0.1753, 0.2273



29.1709, 0.2023, 0.2066



29.1709, 0.2582, 0.2129

Triad

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



29.1709, 0.2023, 0.2066



29.1709, 0.4698, 0.3457



29.1709, 0.2734, 0.4468

Complementary

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



29.1709, 0.2023, 0.2066



42.0006, 0.4711, 0.4161

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.



29.1709, 0.3511, 0.4816



29.1709, 0.2023, 0.2066



29.1709, 0.4685, 0.4054

Square

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



29.1709, 0.2023, 0.2066



29.1709, 0.4196, 0.2888



29.1709, 0.4227, 0.4583



29.1709, 0.2106, 0.3634

Rectangle

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



29.1709, 0.2023, 0.2066



29.1709, 0.3095, 0.2300



29.1709, 0.4227, 0.4583



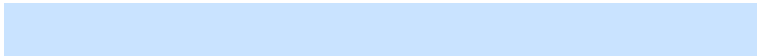
29.1709, 0.2986, 0.4655

Sweetspot

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



29.1718, 0.2023, 0.2066



74.7928, 0.2793, 0.2992



63.6643, 0.2677, 0.4429



15.3811, 0.2747, 0.2948



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.



29.1718, 0.2023, 0.2066



27.6732, 0.1867, 0.1785



11.8275, 0.1783, 0.1052



15.7481, 0.2981, 0.3165



10.2096, 0.1756, 0.1522



0.9935, 0.1827, 0.1778

Inverse Universe

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



24.3998, 0.4313, 0.2489



24.8497, 0.4676, 0.2468



77.7743, 0.4050, 0.4864



15.1751, 0.3217, 0.3177



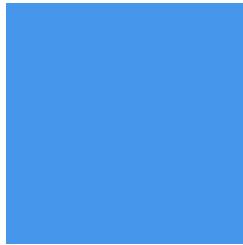
10.5235, 0.5031, 0.2545



0.8457, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 29.1709, 0.2023, 0.2066 looks on a white background.

Color Contrast Check

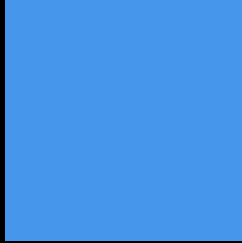
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1709, 0.2023, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

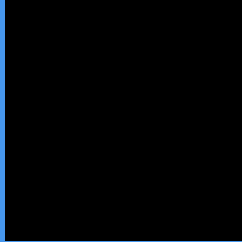
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

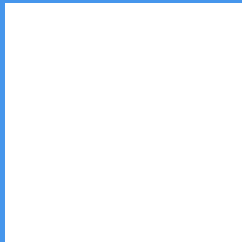
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1709, 0.2023, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 29.1709, 0.2023, 0.2066.



This preview shows how white text looks on a background with the Yxy color 29.1709, 0.2023, 0.2066.

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

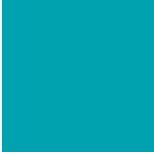
29.1709, 0.2023, 0.2066

Protanopia

28.9355, 0.2237, 0.2085

Deuteranopia

29.2060, 0.2094, 0.2036



Tritanopia

28.9753, 0.2178, 0.3040

Trichromacy



Original Color

29.1709, 0.2023, 0.2066

Protanomaly

28.9806, 0.2146, 0.2082

Deuteranomaly

29.1332, 0.2062, 0.2041

Tritanomaly

28.7376, 0.2087, 0.2629

Monochromacy



Original Color

29.1709, 0.2023, 0.2066

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4731, 0.2576, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1709, 0.2023, 0.2066 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(70, 150, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 150, 236)  
}
```

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(70, 150, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 150, 236) }
```

Border

The CSS property to change the border of an element to Yxy 29.1709, 0.2023, 0.2066 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(70, 150, 236) }
```

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

```
.border{ border-color:rgb(70, 150, 236) }
```

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

Here you see how a box with a 4 pixel rgb(70, 150, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 150, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 150, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 150,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1709, 0.2023, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 150, 236) }
```

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

```
.background{ background-color: rgb(70, 150,  
236) }
```

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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