

Converting Colors

$Y_{xy}(30.0066, 0.1995, 0.2072)$

Have a look what the booklet for
Yxy(30.0066, 0.1995, 0.2072)
contains.

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Color

Yxy(30.0066, 0.1995, 0.2072)

Conversions

Conversions Part 1

Format	Color
Hex	3D99EF
RGB	61, 153, 239
RGB Percent	24%, 60%, 94%
CMY	0.7610, 0.4000, 0.0628
CMYK	0.74, 0.36, 0.00, 0.06
HSL	209°, 85%, 59%
HSV	209°, 74%, 94%
XYZ	28.8915, 30.0066, 85.9214
YIQ	135.2960, -82.4380, 7.2420

Conversions

Conversions Part 2

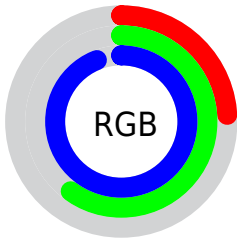
Format	Color
R _{YB}	61, 122, 239
Decimal	4037103
CIE Lab	61.66, 1.45, -50.92
CIE LCh	62, 50.942, 271.626
Yxy	30.0066, 0.1995, 0.2072
Android (android.graphics.Color)	4282227183 (0xFF3D99EF)
YUV	135.2960, 51.1261, -65.1576
Hunter-Lab	54.7783, -1.7164, -54.6534

Details

The Yxy color **30.0066, 0.1995, 0.2072** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **39.5310, 0.4883, 0.4120**, and the grayscale version is **24.1696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5915, 0.2371, 0.2707**, and **13.0779, 0.1835, 0.1805** is the 20% darker color. If you saturate the color by 10%, you get **25.8138, 0.1893, 0.1884**, and if you desaturate by 10%, it is **34.9043, 0.2119, 0.2263**.

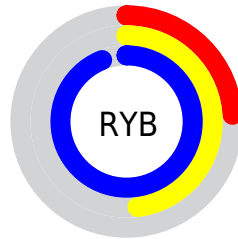
Distribution



Red (24%)

Green (60%)

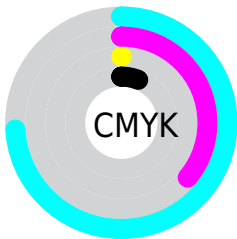
Blue (94%)



Red (24%)

Yellow (48%)

Blue (94%)

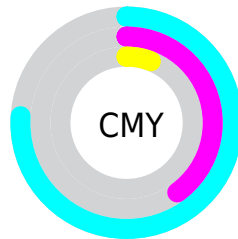


Cyan (74%)

Magenta (36%)

Yellow (0%)

Black (6%)



Cyan (76%)


Magenta (40%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0066, 0.1995, 0.2072 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 30.0066, 0.1995, 0.2072 by changing the saturation by 10% instead.


 30.0066, 0.1995,
0.2072


 30.0066, 0.1995,
0.2072


301.9352, 0.2565,
0.2683


 19.8436, 0.1858,
0.1926


 59.6726, 0.2200,
0.2291


 12.2814, 0.1687,
0.1744


 79.9444, 0.2277,
0.2374

 6.9356, 0.1471,
0.1516


 104.3546, 0.2344,
0.2445

 3.4219, 0.1196,
0.1225

 133.2876, 0.2400,
0.2506

 1.3557, 0.0849,
0.0861

167.1277, 0.2450,
0.2559

 0.1838, 0.0272,
0.0238

206.2595, 0.2493,

 0.0000, 0.0000,

0.2605

0.0000

251.0672, 0.2531,
0.2646

■ 30.0066, 0.1995,
0.2072

■ 30.0066, 0.1995,
0.2072

■ 25.8138, 0.1893,
0.1884

■ 34.9043, 0.2119,
0.2263

■ 22.2639, 0.1815,
0.1704

■ 40.5537, 0.2260,
0.2451

■ 20.5403, 0.1780,
0.1609

■ 46.9996, 0.2414,
0.2632

■ 54.2816, 0.2575,
0.2803

■ 62.4362, 0.2738,
0.2961

71.4974, 0.2900,
0.3106

81.4969, 0.3058,
0.3236

92.4648, 0.3210,
0.3352

99.0114, 0.3220,
0.3444

Harmonies

Analogous

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



30.0066, 0.1745, 0.2300



30.0066, 0.1995, 0.2072



30.0066, 0.2533, 0.2117

Triad

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



30.0066, 0.1995, 0.2072



30.0066, 0.4678, 0.3415



30.0066, 0.2786, 0.4512

Complementary

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



30.0066, 0.1995, 0.2072



39.5310, 0.4883, 0.4120

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.



30.0066, 0.3566, 0.4815



30.0066, 0.1995, 0.2072



30.0066, 0.4702, 0.4012

Square

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



30.0066, 0.1995, 0.2072



30.0066, 0.4144, 0.2851



30.0066, 0.4270, 0.4551



30.0066, 0.2143, 0.3698

Rectangle

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



30.0066, 0.1995, 0.2072



30.0066, 0.3036, 0.2278



30.0066, 0.4270, 0.4551



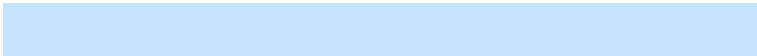
30.0066, 0.3042, 0.4685

Sweetspot

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



30.0076, 0.1995, 0.2072



74.7845, 0.2778, 0.2998



64.7319, 0.2712, 0.4642



15.4199, 0.2733, 0.2957



0.0000, 0.0000, 0.0000



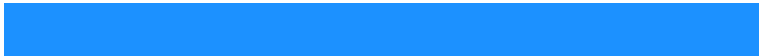
21.4041, 0.3127, 0.3290

Same Dimension

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



30.0076, 0.1995, 0.2072



27.8408, 0.1852, 0.1796



11.2226, 0.1718, 0.0989



16.5808, 0.2980, 0.3173



11.6166, 0.1788, 0.1636



1.1656, 0.1852, 0.1868

Inverse Universe

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



23.9813, 0.4323, 0.2410



24.1496, 0.4675, 0.2413



76.9939, 0.4141, 0.4861



15.8953, 0.3212, 0.3169



10.9661, 0.4886, 0.2465



0.9324, 0.4605, 0.2310

Previews

White Background



This preview shows how the Yxy color 30.0066, 0.1995, 0.2072 looks on a white background.

Color Contrast Check

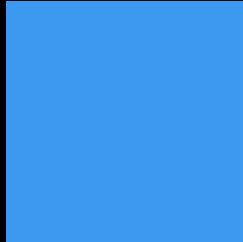
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0066, 0.1995, 0.2072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

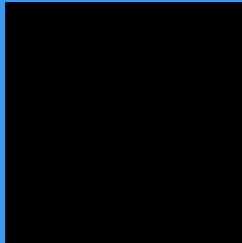
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

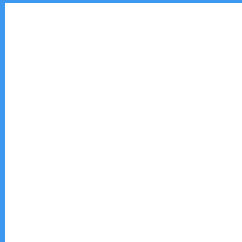
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0066, 0.1995, 0.2072

Background



This preview shows how black text looks on a background with the Yxy color 30.0066, 0.1995, 0.2072.



This preview shows how white text looks on a background with the Yxy color 30.0066, 0.1995, 0.2072.

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

30.0066, 0.1995, 0.2072

Protanopia

29.7900, 0.2244, 0.2096

Deuteranopia

29.7464, 0.2090, 0.2023



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

30.0066, 0.1995, 0.2072

Protanomaly

29.6648, 0.2130, 0.2077

Deuteranomaly

29.8533, 0.2050, 0.2038

Tritanomaly

29.4823, 0.2084, 0.2634

Monochromacy



Original Color

30.0066, 0.1995, 0.2072

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.5513, 0.2538, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0066, 0.1995, 0.2072 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(61, 153, 239)` looks like.

```
.text, #text, p{  
    color:rgb(61, 153, 239)  
}
```

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(61, 153, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 153, 239) }
```

Border

The CSS property to change the border of an element to Yxy 30.0066, 0.1995, 0.2072 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(61, 153, 239) }
```

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

```
.border{ border-color:rgb(61, 153, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 153, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 153, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 153, 239);  
box-shadow:4px 4px 4px 4px rgb(61, 153,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0066, 0.1995, 0.2072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 153, 239) }
```

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

```
.background{ background-color: rgb(61, 153,  
239) }
```

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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