

Converting Colors

$Y_{xy}(30.0795, 0.1978, 0.2094)$

Have a look what the booklet for
Yxy(30.0795, 0.1978, 0.2094)
contains.

Yxy(30.0143, 0.1978, 0.2090)	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(30.0143, 0.1978, 0.2090)

Conversions

Conversions Part 1

Format	Color
Hex	349AEE
RGB	52, 154, 238
RGB Percent	20%, 60%, 93%
CMY	0.7959, 0.3961, 0.0666
CMYK	0.78, 0.35, 0.00, 0.07
HSL	207°, 85%, 57%
HSV	207°, 78%, 93%
XYZ	28.4059, 30.0143, 85.1889
YIQ	133.0780, -87.7560, 4.5000

Conversions

Conversions Part 2

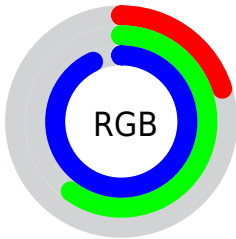
Format	Color
R _Y B	52, 118, 238
Decimal	3447534
CIE Lab	61.67, -0.48, -50.38
CIE LCh	62, 50.385, 269.457
Yxy	30.0143, 0.1978, 0.2090
Android (android.graphics.Color)	4281637614 (0xFF349AEE)
YUV	133.0780, 51.7265, -71.1054
Hunter-Lab	54.7853, -3.3230, -53.8438

Details

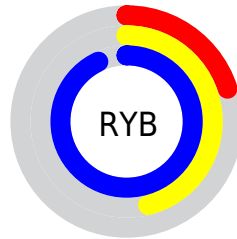
The Yxy color **30.0143, 0.1978, 0.2090** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **36.0479, 0.5045, 0.4069**, and the grayscale version is **23.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6917, 0.2351, 0.2716**, and **13.0779, 0.1835, 0.1805** is the 20% darker color. If you saturate the color by 10%, you get **26.1429, 0.1889, 0.1915**, and if you desaturate by 10%, it is **34.5236, 0.2090, 0.2268**.

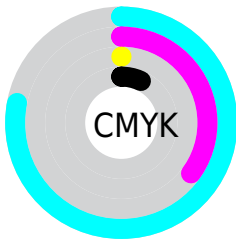
Distribution



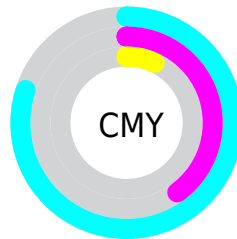
- Red (20%)
- Green (60%)
- Blue (93%)



- Red (20%)
- Yellow (46%)
- Blue (93%)



- Cyan (78%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (80%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0143, 0.1978, 0.2090 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 30.0143, 0.1978, 0.2090 by changing the saturation by 10% instead.

■ 30.0143, 0.1978,
0.2090

■ 30.0143, 0.1978,
0.2090

■ 301.9711, 0.2556,
0.2694

■ 19.8494, 0.1839,
0.1945

■ 59.6848, 0.2185,
0.2307

■ 12.2856, 0.1667,
0.1764

■ 79.9592, 0.2264,
0.2389

■ 6.9385, 0.1449,
0.1535

■ 104.3723, 0.2331,
0.2459

■ 3.4237, 0.1172,
0.1244

■ 133.3084, 0.2389,
0.2520

■ 1.3567, 0.0823,
0.0877

■ 167.1519, 0.2439,
0.2572

■ 0.1845, 0.0217,
0.0245

206.2873, 0.2483,

■ 0.0000, 0.0000,

0.2618

0.0000

251.0989, 0.2521,
0.2658

■ 30.0143, 0.1978,
0.2090

■ 30.0143, 0.1978,
0.2090

■ 26.1429, 0.1889,
0.1915

■ 34.5236, 0.2090,
0.2268

■ 22.8393, 0.1822,
0.1748

■ 39.7179, 0.2221,
0.2445

■ 22.2695, 0.1810,
0.1717

■ 45.6416, 0.2366,
0.2616

■ 52.3335, 0.2521,
0.2779

■ 59.8290, 0.2681,
0.2931

■ 68.1611, 0.2843,
0.3071

■ 77.3604, 0.3001,
0.3197

■ 87.4558, 0.3155,
0.3310

■ 96.2793, 0.3230,
0.3414

Harmonies

Analogous

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



30.0143, 0.1751, 0.2339



30.0143, 0.1978, 0.2090



30.0143, 0.2492, 0.2116

Triad

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



30.0143, 0.1978, 0.2090



30.0143, 0.4639, 0.3373



30.0143, 0.2845, 0.4540

Complementary

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



30.0143, 0.1978, 0.2090



36.0479, 0.5045, 0.4069

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.



30.0143, 0.3618, 0.4795



30.0143, 0.1978, 0.2090



30.0143, 0.4701, 0.3965

Square

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



30.0143, 0.1978, 0.2090



30.0143, 0.4080, 0.2819



30.0143, 0.4302, 0.4507



30.0143, 0.2191, 0.3760

Rectangle

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



30.0143, 0.1978, 0.2090



30.0143, 0.2980, 0.2265



30.0143, 0.4302, 0.4507



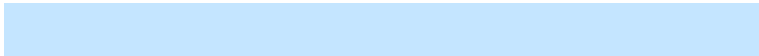
30.0143, 0.3100, 0.4696

Sweetspot

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



30.0153, 0.1978, 0.2090



74.7683, 0.2763, 0.3003



63.6533, 0.2725, 0.4763



15.2609, 0.2704, 0.2952



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.



30.0153, 0.1978, 0.2090



28.1044, 0.1845, 0.1810



10.2782, 0.1674, 0.0928



16.6653, 0.2980, 0.3181



12.6858, 0.1818, 0.1743



1.2539, 0.1879, 0.1963

Inverse Universe

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



22.9707, 0.4316, 0.2342



23.7080, 0.4667, 0.2371



74.3033, 0.4189, 0.4877



15.9039, 0.3207, 0.3161



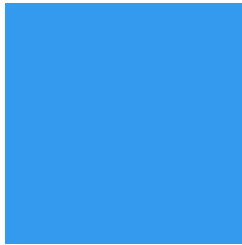
11.0740, 0.4754, 0.2393



0.9413, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 30.0143, 0.1978, 0.2090 looks on a white background.

Color Contrast Check

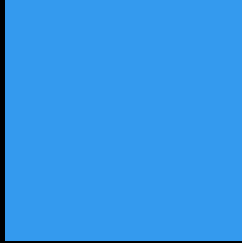
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0143, 0.1978, 0.2090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

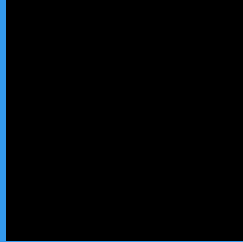
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

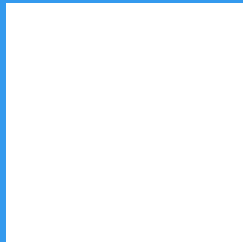
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0143, 0.1978, 0.2090

Background



This preview shows how black text looks on a background with the Yxy color 30.0143, 0.1978, 0.2090.

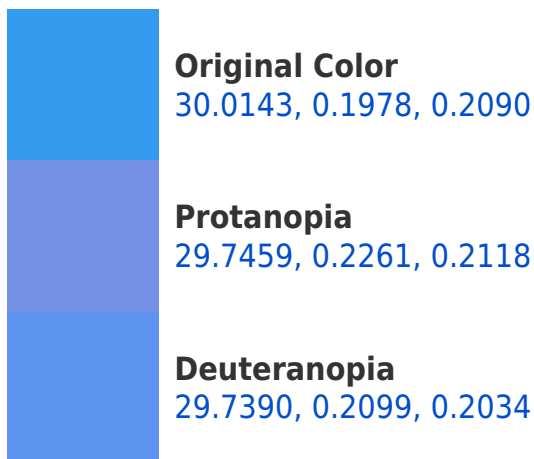


This preview shows how white text looks on a background with the Yxy color 30.0143, 0.1978, 0.2090.

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





Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

30.0143, 0.1978, 0.2090

Protanomaly

29.3902, 0.2123, 0.2093

Deuteranomaly

29.6644, 0.2042, 0.2044

Tritanomaly

29.4036, 0.2085, 0.2648

Monochromacy



Original Color

30.0143, 0.1978, 0.2090

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.9331, 0.2519, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0143, 0.1978, 0.2090 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(52, 154, 238)` looks like.

```
.text, #text, p{  
  color:rgb(52, 154, 238)  
}
```

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(52, 154, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 154, 238) }
```

Border

The CSS property to change the border of an element to Yxy 30.0143, 0.1978, 0.2090 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(52, 154, 238) }
```

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

```
.border{ border-color:rgb(52, 154, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 154, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 154, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 154, 238);  
box-shadow:4px 4px 4px 4px rgb(52, 154,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0143, 0.1978, 0.2090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 154, 238) }
```

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

```
.background{ background-color: rgb(52, 154,  
238) }
```

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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