

Converting Colors

$Y_{xy}(29.3149, 0.1840, 0.2171)$

Have a look what the booklet for
Yxy(29.3149, 0.1840, 0.2171)
contains.

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Color

Yxy(30.2799, 0.1944, 0.2197)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 019EE8 |
| RGB | 1, 158, 232 |
| RGB Percent | 0%, 62%, 91% |
| CMY | 0.9979, 0.3804, 0.0903 |
| CMYK | 1.00, 0.32, 0.00, 0.09 |
| HSL | 199°, 100%, 46% |
| HSV | 199°, 100%, 91% |
| XYZ | 26.7930, 30.2799, 80.7510 |
| YIQ | 119.4930, -117.3260, -10.2700 |

Conversions

Conversions Part 2

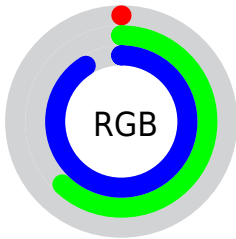
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 1, 94, 232 |
| Decimal | 106216 |
| CIELab | 61.89, -7.91, -46.73 |
| CIELCh | 62, 47.397, 260.390 |
| Yxy | 30.2799, 0.1944, 0.2197 |
| Android (android.graphics.Color) | 4278296296 (0xFF019EE8) |
| YUV | 119.4930, 55.4660, -103.9184 |
| Hunter-Lab | 55.0272, -9.3852, -48.4876 |

Details

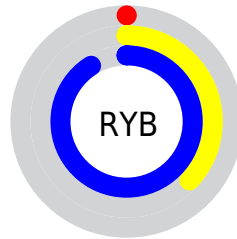
The Yxy color **30.2799, 0.1944, 0.2197** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **22.1179, 0.5932, 0.3670**, and the grayscale version is **18.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4328, 0.2288, 0.2758**, and **13.6500, 0.1877, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **30.2180, 0.1943, 0.2194**, and if you desaturate by 10%, it is **33.0746, 0.1994, 0.2317**.

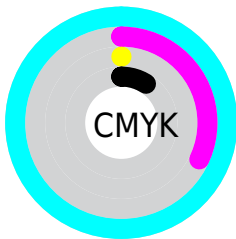
Distribution



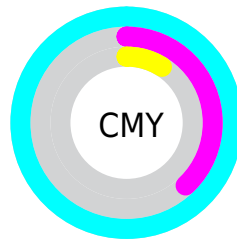
- Red (0%)
- Green (62%)
- Blue (91%)



- Red (0%)
- Yellow (37%)
- Blue (91%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (38%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2799, 0.1944, 0.2197 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 30.2799, 0.1944, 0.2197 by changing the saturation by 10% instead.


 30.2799, 0.1944,
0.2197


 30.2799, 0.1944,
0.2197


 303.2070, 0.2537,
0.2758


 20.0511, 0.1802,
0.2058


 60.1045, 0.2156,
0.2401


 12.4322, 0.1625,
0.1884


 80.4692, 0.2237,
0.2478

 7.0388, 0.1403,
0.1659


 104.9813, 0.2306,
0.2543

 3.4864, 0.1120,
0.1367

 134.0252, 0.2365,
0.2599

 1.3906, 0.0766,
0.0988

 167.9853, 0.2416,
0.2647

 0.2098, 0.0009,
0.0319

 207.2461, 0.2461,

 0.0000, 0.0000,

0.2689

0.0000

252.1918, 0.2501,
0.2726

■ 30.2799, 0.1944,
0.2197

■ 30.2799, 0.1944,
0.2197

■ 30.2180, 0.1943,
0.2194

■ 33.0746, 0.1994,
0.2317

■ 36.2479, 0.2062,
0.2439

■ 39.8713, 0.2151,
0.2563

■ 43.9881, 0.2259,
0.2684

■ 48.6350, 0.2384,
0.2803

■ 53.8444, 0.2522,
0.2916

■ 59.6455, 0.2669,
0.3022

■ 66.0652, 0.2821,
0.3120

■ 73.1284, 0.2976,
0.3210

Harmonies

Analogous

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



30.2799, 0.1810, 0.2527



30.2799, 0.1944, 0.2197



30.2799, 0.2354, 0.2144

Triad

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



30.2799, 0.1944, 0.2197



30.2799, 0.4431, 0.3211



30.2799, 0.3087, 0.4588

Complementary

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



30.2799, 0.1944, 0.2197



22.1179, 0.5932, 0.3670

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.



30.2799, 0.3812, 0.4666



30.2799, 0.1944, 0.2197



30.2799, 0.4643, 0.3772

Square

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



30.2799, 0.1944, 0.2197



30.2799, 0.3800, 0.2704



30.2799, 0.4391, 0.4308



30.2799, 0.2412, 0.3978

Rectangle

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



30.2799, 0.1944, 0.2197



30.2799, 0.2771, 0.2242



30.2799, 0.4391, 0.4308



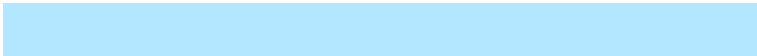
30.2799, 0.3333, 0.4676

Sweetspot

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



30.2809, 0.1944, 0.2197



73.6436, 0.2663, 0.3018



58.1901, 0.2882, 0.5575



15.0935, 0.2600, 0.2974



0.0000, 0.0000, 0.0000



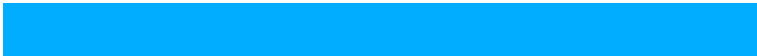
21.4041, 0.3127, 0.3290

Same Dimension

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



30.2809, 0.1944, 0.2197



37.2973, 0.1941, 0.2188



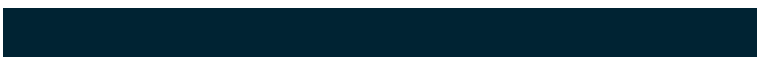
7.5536, 0.1544, 0.0756



15.5188, 0.2981, 0.3213



17.0180, 0.1948, 0.2214



1.4234, 0.1997, 0.2389

Inverse Universe

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



19.6306, 0.4235, 0.2108



24.2963, 0.4245, 0.2112



53.7792, 0.4563, 0.4757



14.5327, 0.3187, 0.3131



10.9157, 0.4218, 0.2097



0.8234, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 30.2799, 0.1944, 0.2197 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2799, 0.1944, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

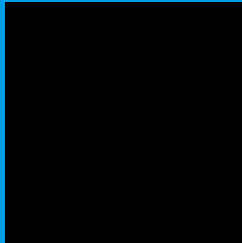
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

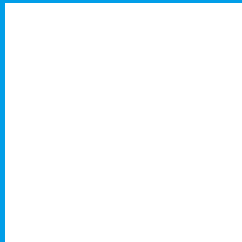
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2799, 0.1944, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 30.2799, 0.1944, 0.2197.



This preview shows how white text looks on a background with the Yxy color 30.2799, 0.1944, 0.2197.

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

30.2864, 0.1944, 0.2197

Protanopia

30.0426, 0.2345, 0.2227

Deuteranopia

30.2602, 0.2167, 0.2110



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.2864, 0.1944, 0.2197



Protanomaly

28.9234, 0.2092, 0.2178



Deuteranomaly

29.4635, 0.2025, 0.2122



Tritanomaly

29.8719, 0.2086, 0.2710

Monochromacy



Original Color

30.2864, 0.1944, 0.2197



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.8496, 0.2365, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2799, 0.1944, 0.2197 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(1, 158, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 158, 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(1, 158, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 158, 232) }
```

Border

The CSS property to change the border of an element to Yxy 30.2799, 0.1944, 0.2197 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(1, 158, 232) }
```

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

```
.border{ border-color:rgb(1, 158, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 158, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 158, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 158, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 158,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2799, 0.1944, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 158, 232) }
```

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

```
.background{ background-color: rgb(1, 158,  
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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