

Converting Colors

$Y_{xy}(29.5821, 0.1904, 0.1995)$

Have a look what the booklet for
Yxy(29.5821, 0.1904, 0.1995)
contains.

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Color

Yxy(29.5692, 0.1903, 0.1992)

Conversions

Conversions Part 1

Format	Color
Hex	1899F5
RGB	24, 153, 245
RGB Percent	9%, 60%, 96%
CMY	0.9066, 0.4000, 0.0391
CMYK	0.90, 0.38, 0.00, 0.04
HSL	205°, 92%, 53%
HSV	205°, 90%, 96%
XYZ	28.2481, 29.5692, 90.6225
YIQ	124.9170, -106.4160, 1.2640

Conversions

Conversions Part 2

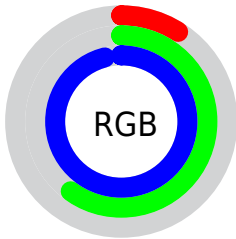
Format	Color
R _Y B	24, 105, 245
Decimal	1612277
CIE Lab	61.28, 0.57, -54.89
CIE LCh	61, 54.889, 270.591
Yxy	29.5692, 0.1903, 0.1992
Android (android.graphics.Color)	4279802357 (0xFF1899F5)
YUV	124.9170, 59.2009, -88.5042
Hunter-Lab	54.3776, -2.4335, -60.7449

Details

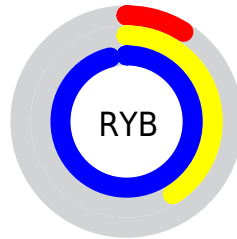
The Yxy color **29.5692, 0.1903, 0.1992** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **31.9333, 0.5460, 0.3958**, and the grayscale version is **20.2853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4231, 0.2301, 0.2696**, and **13.3313, 0.1816, 0.1739** is the 20% darker color. If you saturate the color by 10%, you get **26.2690, 0.1845, 0.1841**, and if you desaturate by 10%, it is **33.4947, 0.1983, 0.2153**.

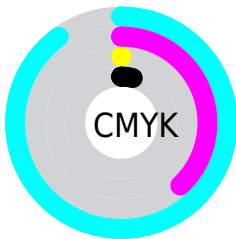
Distribution



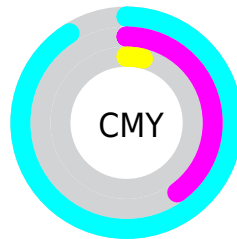
- Red (9%)
- Green (60%)
- Blue (96%)



- Red (9%)
- Yellow (41%)
- Blue (96%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (4%)





- Cyan (91%)
- Magenta (40%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5692, 0.1903, 0.1992 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 29.5692, 0.1903, 0.1992 by changing the saturation by 10% instead.


 29.5692, 0.1903,
0.1992


 29.5692, 0.1903,
0.1992

299.8912, 0.2514,
0.2639


 19.5118, 0.1758,
0.1839


 58.9802, 0.2121,
0.2222


 12.0407, 0.1580,
0.1651


 79.1027, 0.2204,
0.2310

 6.7714, 0.1358,
0.1416


 103.3489, 0.2275,
0.2386

 3.3195, 0.1079,
0.1124

 132.1034, 0.2336,
0.2451

 1.3007, 0.0739,
0.0767

 165.7504, 0.2390,
0.2507

 0.1418, 0.0174,
0.0166

204.6745, 0.2436,

 0.0000, 0.0000,

0.2557

0.0000

249.2600, 0.2478,
0.2600

■ 29.5692, 0.1903,
0.1992

■ 29.5692, 0.1903,
0.1992

■ 26.2690, 0.1845,
0.1841

■ 33.4947, 0.1983,
0.2153

■ 38.0402, 0.2085,
0.2316

■ 43.2606, 0.2207,
0.2479

■ 49.2018, 0.2344,
0.2638

■ 55.9046, 0.2494,
0.2789

■ 63.4060, 0.2650,
0.2931

■ 71.7402, 0.2809,
0.3061

■ 80.9388, 0.2968,
0.3180

■ 91.0317, 0.3123,
0.3287

Harmonies

Analogous

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



29.5692, 0.1651, 0.2237



29.5692, 0.1903, 0.1992



29.5692, 0.2461, 0.2034

Triad

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



29.5692, 0.1903, 0.1992



29.5692, 0.4792, 0.3387



29.5692, 0.2777, 0.4652

Complementary

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



29.5692, 0.1903, 0.1992



31.9333, 0.5460, 0.3958

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.



29.5692, 0.3612, 0.4942



29.5692, 0.1903, 0.1992



29.5692, 0.4826, 0.4020

Square

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



29.5692, 0.1903, 0.1992



29.5692, 0.4199, 0.2796



29.5692, 0.4364, 0.4615



29.5692, 0.2085, 0.3764

Rectangle

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



29.5692, 0.1903, 0.1992



29.5692, 0.2994, 0.2199



29.5692, 0.4364, 0.4615



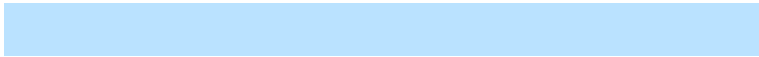
29.5692, 0.3051, 0.4830

Sweetspot

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



29.5701, 0.1903, 0.1992



72.2668, 0.2701, 0.2974



66.6870, 0.2787, 0.5167



14.8234, 0.2647, 0.2928



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.



29.5701, 0.1903, 0.1992



28.6919, 0.1844, 0.1838



8.7346, 0.1568, 0.0768



17.5349, 0.2980, 0.3189



14.4285, 0.1852, 0.1866



1.4707, 0.1906, 0.2062

Inverse Universe

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



22.3622, 0.4452, 0.2276



23.4276, 0.4640, 0.2330



72.2047, 0.4343, 0.4885



16.6449, 0.3202, 0.3153



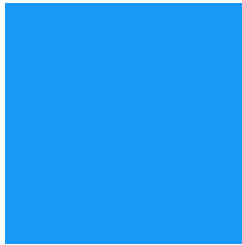
11.5559, 0.4607, 0.2312



1.0361, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 29.5692, 0.1903, 0.1992 looks on a white background.

Color Contrast Check

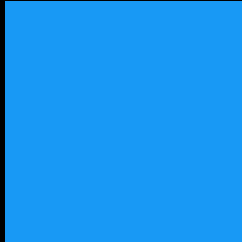
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5692, 0.1903, 0.1992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

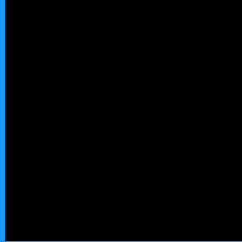
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

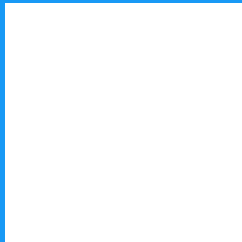
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5692, 0.1903, 0.1992

Background



This preview shows how black text looks on a background with the Yxy color 29.5692, 0.1903, 0.1992.



This preview shows how white text looks on a background with the Yxy color 29.5692, 0.1903, 0.1992.

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

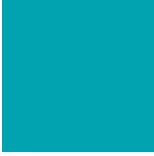
29.5692, 0.1903, 0.1992

Protanopia

29.4404, 0.2188, 0.2025

Deuteranopia

29.4959, 0.2014, 0.1951



Tritanopia

29.2895, 0.2188, 0.3075

Trichromacy



Original Color

29.5692, 0.1903, 0.1992

Protanomaly

28.8210, 0.2031, 0.1992

Deuteranomaly

29.3963, 0.1956, 0.1959

Tritanomaly

29.0245, 0.2066, 0.2615

Monochromacy



Original Color

29.5692, 0.1903, 0.1992

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.2672, 0.2394, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5692, 0.1903, 0.1992 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(24, 153, 245)` looks like.

```
.text, #text, p{  
    color:rgb(24, 153, 245)  
}
```

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(24, 153, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 153, 245) }
```

Border

The CSS property to change the border of an element to Yxy 29.5692, 0.1903, 0.1992 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(24, 153, 245) }
```

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

```
.border{ border-color:rgb(24, 153, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 153, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 153, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 153, 245);  
box-shadow:4px 4px 4px 4px rgb(24, 153,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5692, 0.1903, 0.1992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 153, 245) }
```

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

```
.background{ background-color: rgb(24, 153,  
245) }
```

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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