

Converting Colors

$Yxy(28.6066, 0.1924, 0.1993)$

Have a look what the booklet for
Yxy(28.6066, 0.1924, 0.1993)
contains.

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Color

$Y_{xy}(28.5949, 0.1925, 0.1993)$

Conversions

Conversions Part 1

Format	Color
Hex	2796F1
RGB	39, 150, 241
RGB Percent	15%, 59%, 95%
CMY	0.8467, 0.4118, 0.0550
CMYK	0.84, 0.38, 0.00, 0.06
HSL	207°, 88%, 55%
HSV	207°, 84%, 94%
XYZ	27.6193, 28.5949, 87.2625
YIQ	127.1850, -95.3670, 4.7690

Conversions

Conversions Part 2

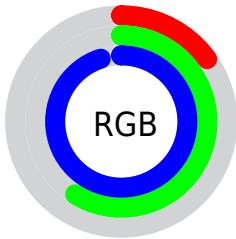
Format	Color
R _Y B	39, 111, 241
Decimal	2594545
CIE Lab	60.42, 1.77, -54.01
CIE LCh	60, 54.041, 271.878
Yxy	28.5949, 0.1925, 0.1993
Android (android.graphics.Color)	4280784625 (0xFF2796F1)
YUV	127.1850, 56.1108, -77.3382
Hunter-Lab	53.4742, -1.3852, -59.3212

Details

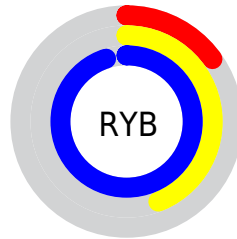
The Yxy color **28.5949, 0.1925, 0.1993** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **34.8276, 0.5204, 0.4061**, and the grayscale version is **21.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3277, 0.2314, 0.2661**, and **12.5750, 0.1813, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **24.9574, 0.1849, 0.1822**, and if you desaturate by 10%, it is **32.8536, 0.2024, 0.2169**.

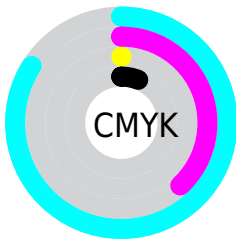
Distribution



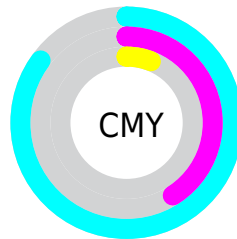
- Red (15%)
- Green (59%)
- Blue (95%)



- Red (15%)
- Yellow (44%)
- Blue (95%)



- Cyan (84%)
- Magenta (38%)
- Yellow (0%)
- Black (6%)



- Cyan (85%)
- Magenta (41%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5949, 0.1925, 0.1993 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 28.5949, 0.1925, 0.1993 by changing the saturation by 10% instead.

■ 28.5949, 0.1925,
0.1993

■ 28.5949, 0.1925,
0.1993

■ 295.2988, 0.2530,
0.2643

■ 18.7746, 0.1780,
0.1839

■ 57.4328, 0.2142,
0.2225

■ 11.5075, 0.1601,
0.1648

■ 77.2192, 0.2224,
0.2313

■ 6.4093, 0.1376,
0.1410

■ 101.0965, 0.2295,
0.2389

■ 3.0955, 0.1093,
0.1112

■ 129.4489, 0.2355,
0.2454

■ 1.1818, 0.0745,
0.0748

■ 162.6610, 0.2408,
0.2510

■ 0.0468, 0.0113,
0.0061

201.1170, 0.2454,

■ 0.0000, 0.0000,

0.2560

0.0000

245.2015, 0.2494,
0.2604

■ 28.5949, 0.1925,
0.1993

■ 28.5949, 0.1925,
0.1993

■ 24.9574, 0.1849,
0.1822

■ 32.8536, 0.2024,
0.2169

■ 22.9559, 0.1811,
0.1720

■ 37.7883, 0.2145,
0.2347

■ 43.4478, 0.2283,
0.2522

■ 49.8748, 0.2433,
0.2690

■ 57.1076, 0.2591,
0.2848

■ 65.1813, 0.2752,
0.2994

■ 74.1288, 0.2912,
0.3127

■ 83.9808, 0.3069,
0.3248

■ 94.5810, 0.3214,
0.3356

Harmonies

Analogous

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



28.5949, 0.1661, 0.2224



28.5949, 0.1925, 0.1993



28.5949, 0.2495, 0.2046

Triad

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



28.5949, 0.1925, 0.1993



28.5949, 0.4799, 0.3414



28.5949, 0.2745, 0.4616

Complementary

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



28.5949, 0.1925, 0.1993



34.8276, 0.5204, 0.4061

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.



28.5949, 0.3575, 0.4937



28.5949, 0.1925, 0.1993



28.5949, 0.4808, 0.4046

Square

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



28.5949, 0.1925, 0.1993



28.5949, 0.4229, 0.2821



28.5949, 0.4332, 0.4632



28.5949, 0.2066, 0.3719

Rectangle

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



28.5949, 0.1925, 0.1993



28.5949, 0.3033, 0.2217



28.5949, 0.4332, 0.4632



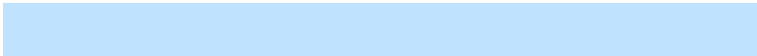
28.5949, 0.3017, 0.4804

Sweetspot

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



28.5958, 0.1925, 0.1993



72.8695, 0.2731, 0.2976



64.9392, 0.2731, 0.4884



14.8903, 0.2674, 0.2925



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.



28.5958, 0.1925, 0.1993



26.0018, 0.1810, 0.1715



8.9953, 0.1608, 0.0812



16.6683, 0.2980, 0.3181



12.7247, 0.1819, 0.1746



1.2571, 0.1880, 0.1967

Inverse Universe

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



22.3559, 0.4437, 0.2334



23.1560, 0.4788, 0.2411



75.9288, 0.4225, 0.4922



15.9042, 0.3207, 0.3161



11.0779, 0.4750, 0.2390



0.9416, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 28.5949, 0.1925, 0.1993 looks on a white background.

Color Contrast Check

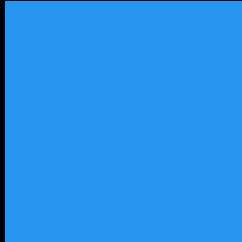
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5949, 0.1925, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

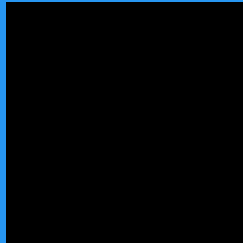
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

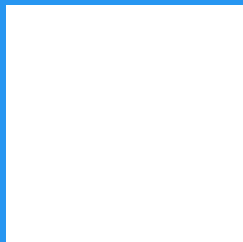
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5949, 0.1925, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 28.5949, 0.1925, 0.1993.



This preview shows how white text looks on a background with the Yxy color 28.5949, 0.1925, 0.1993.

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

28.5949, 0.1925, 0.1993

Protanopia

28.4804, 0.2190, 0.2032

Deuteranopia

28.5883, 0.2017, 0.1958



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.5949, 0.1925, 0.1993

Protanomaly

28.1917, 0.2060, 0.2008

Deuteranomaly

28.3682, 0.1972, 0.1958

Tritanomaly

28.2845, 0.2069, 0.2609

Monochromacy



Original Color

28.5949, 0.1925, 0.1993

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.5880, 0.2453, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5949, 0.1925, 0.1993 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(39, 150, 241)` looks like.

```
.text, #text, p{  
    color:rgb(39, 150, 241)  
}
```

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(39, 150, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 150, 241) }
```

Border

The CSS property to change the border of an element to Yxy 28.5949, 0.1925, 0.1993 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(39, 150, 241) }
```

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

```
.border{ border-color:rgb(39, 150, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 150, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 150, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 150, 241);  
box-shadow:4px 4px 4px 4px rgb(39, 150,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5949, 0.1925, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 150, 241) }
```

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

```
.background{ background-color: rgb(39, 150,  
241) }
```

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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