

Converting Colors

$Yxy(29.3224, 0.1945, 0.2163)$

Have a look what the booklet for
Yxy(29.3224, 0.1945, 0.2163)
contains.

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Color

Yxy(29.3314, 0.1945, 0.2163)

Conversions

Conversions Part 1

Format	Color
Hex	119BE7
RGB	17, 155, 231
RGB Percent	7%, 61%, 91%
CMY	0.9347, 0.3921, 0.0940
CMYK	0.93, 0.33, 0.00, 0.09
HSL	201°, 87%, 49%
HSV	201°, 93%, 91%
XYZ	26.3752, 29.3314, 79.8986
YIQ	122.4020, -106.6440, -5.6200

Conversions

Conversions Part 2

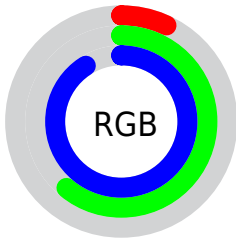
Format	Color
R _Y B	17, 101, 231
Decimal	1154023
CIE Lab	61.07, -6.08, -47.51
CIE LCh	61, 47.898, 262.704
Yxy	29.3314, 0.1945, 0.2163
Android (android.graphics.Color)	4279344103 (0xFF119BE7)
YUV	122.4020, 53.5388, -92.4376
Hunter-Lab	54.1585, -7.8477, -49.5581

Details

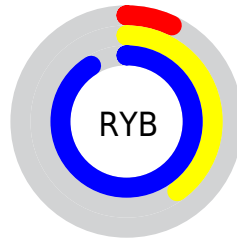
The Yxy color **29.3314, 0.1945, 0.2163** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **24.8083, 0.5675, 0.3810**, and the grayscale version is **19.4155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0721, 0.2287, 0.2720**, and **12.9958, 0.1864, 0.1909** is the 20% darker color. If you saturate the color by 10%, you get **27.2975, 0.1908, 0.2067**, and if you desaturate by 10%, it is **32.4834, 0.2012, 0.2299**.

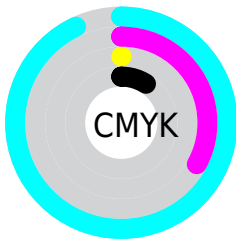
Distribution



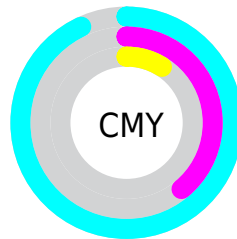
- Red (7%)
- Green (61%)
- Blue (91%)



- Red (7%)
- Yellow (40%)
- Blue (91%)



- Cyan (93%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)



- Cyan (93%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3314, 0.1945, 0.2163 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 29.3314, 0.1945, 0.2163 by changing the saturation by 10% instead.

■ 29.3314, 0.1945,
0.2163

■ 29.3314, 0.1945,
0.2163

■ 298.7754, 0.2540,
0.2741

■ 19.3317, 0.1802,
0.2020

■ 58.6032, 0.2159,
0.2373

■ 11.9102, 0.1623,
0.1841

■ 78.6441, 0.2240,
0.2452

■ 6.6825, 0.1398,
0.1611

■ 102.8007, 0.2309,
0.2519

■ 3.2644, 0.1111,
0.1313

■ 131.4576, 0.2368,
0.2577

■ 1.2713, 0.0753,
0.0930

■ 164.9992, 0.2420,
0.2626

■ 0.1188, 0.0000,
0.0188

203.8097, 0.2465,

■ 0.0000, 0.0000,

0.2669

0.0000

248.2737, 0.2505,
0.2708

■ 29.3314, 0.1945,
0.2163

■ 29.3314, 0.1945,
0.2163

■ 27.2975, 0.1908,
0.2067

■ 32.4834, 0.2012,
0.2299

■ 36.0987, 0.2100,
0.2436

■ 40.2247, 0.2207,
0.2574

■ 44.9004, 0.2332,
0.2707

■ 50.1599, 0.2471,
0.2836

■ 56.0338, 0.2619,
0.2957

■ 62.5503, 0.2773,
0.3069

■ 69.7355, 0.2929,
0.3172

■ 77.6137, 0.3084,
0.3266

Harmonies

Analogous

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



29.3314, 0.1787, 0.2474



29.3314, 0.1945, 0.2163



29.3314, 0.2382, 0.2130

Triad

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



29.3314, 0.1945, 0.2163



29.3314, 0.4493, 0.3250



29.3314, 0.3026, 0.4588

Complementary

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



29.3314, 0.1945, 0.2163



24.8083, 0.5675, 0.3810

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.



29.3314, 0.3768, 0.4708



29.3314, 0.1945, 0.2163



29.3314, 0.4669, 0.3821

Square

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



29.3314, 0.1945, 0.2163



29.3314, 0.3873, 0.2729



29.3314, 0.4378, 0.4362



29.3314, 0.2351, 0.3930

Rectangle

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



29.3314, 0.1945, 0.2163



29.3314, 0.2819, 0.2242



29.3314, 0.4378, 0.4362



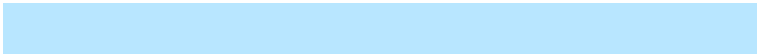
29.3314, 0.3276, 0.4694

Sweetspot

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



29.3323, 0.1945, 0.2163



73.7755, 0.2690, 0.3010



58.0552, 0.2834, 0.5354



15.0532, 0.2624, 0.2961



0.0000, 0.0000, 0.0000



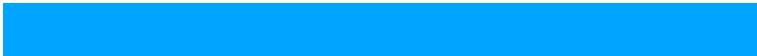
21.4041, 0.3127, 0.3290

Same Dimension

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



29.3323, 0.1945, 0.2163



33.9731, 0.1906, 0.2060



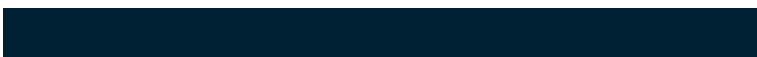
8.0688, 0.1572, 0.0806



15.4312, 0.2981, 0.3205



15.5403, 0.1914, 0.2088



1.3219, 0.1968, 0.2284

Inverse Universe

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



19.7520, 0.4266, 0.2156



23.9607, 0.4385, 0.2189



57.8256, 0.4450, 0.4813



14.5239, 0.3192, 0.3139



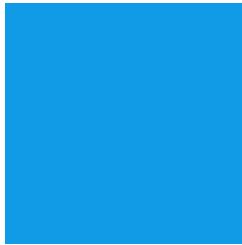
10.7665, 0.4354, 0.2172



0.8131, 0.4143, 0.2056

Previews

White Background



This preview shows how the Yxy color 29.3314, 0.1945, 0.2163 looks on a white background.

Color Contrast Check

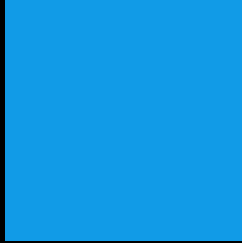
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3314, 0.1945, 0.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

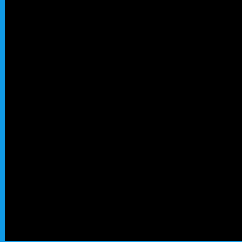
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

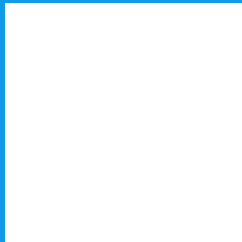
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3314, 0.1945, 0.2163

Background



This preview shows how black text looks on a background with the Yxy color 29.3314, 0.1945, 0.2163.

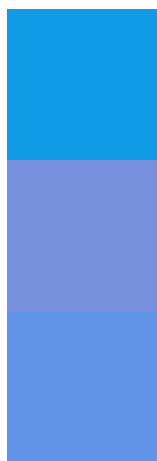


This preview shows how white text looks on a background with the Yxy color 29.3314, 0.1945, 0.2163.

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

29.3314, 0.1945, 0.2163

Protanopia

29.0889, 0.2318, 0.2202

Deuteranopia

29.2920, 0.2140, 0.2084



Tritanopia

29.2895, 0.2188, 0.3075

Trichromacy



Original Color

29.3314, 0.1945, 0.2163



Protanomaly

28.4099, 0.2106, 0.2163



Deuteranomaly

28.8678, 0.2031, 0.2105



Tritanomaly

29.1205, 0.2089, 0.2704

Monochromacy



Original Color

29.3314, 0.1945, 0.2163



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.5436, 0.2410, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3314, 0.1945, 0.2163 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(17, 155, 231)` looks like.

```
.text, #text, p{  
    color:rgb(17, 155, 231)  
}
```

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(17, 155, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 155, 231) }
```

Border

The CSS property to change the border of an element to Yxy 29.3314, 0.1945, 0.2163 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(17, 155, 231) }
```

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

```
.border{ border-color:rgb(17, 155, 231) }
```

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

Here you see how a box with a 4 pixel rgb(17, 155, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 155, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 155, 231);  
box-shadow:4px 4px 4px 4px rgb(17, 155,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3314, 0.1945, 0.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 155, 231) }
```

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

```
.background{ background-color: rgb(17, 155,  
231) }
```

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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