

Converting Colors

$Y_{xy}(25.4684, 0.1447, 0.2030)$

Have a look what the booklet for
Yxy(25.4684, 0.1447, 0.2030)
contains.

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Color

Yxy(30.0545, 0.1933, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	009DEA
RGB	0, 157, 234
RGB Percent	0%, 62%, 92%
CMY	1.0000, 0.3843, 0.0823
CMYK	1.00, 0.33, 0.00, 0.08
HSL	200°, 100%, 46%
HSV	200°, 100%, 92%
XYZ	26.9085, 30.0545, 82.2427
YIQ	118.8350, -118.2890, -9.3370

Conversions

Conversions Part 2

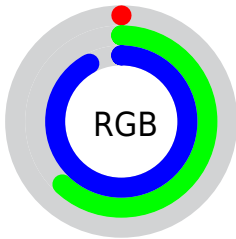
Format	Color
RYB	0, 94, 234
Decimal	40426
CIELab	61.70, -6.61, -48.17
CIELCh	62, 48.625, 262.191
Yxy	30.0545, 0.1933, 0.2159
Android (android.graphics.Color)	4278230506 (0xFF009DEA)
YUV	118.8350, 56.7763, -104.2183
Hunter-Lab	54.8220, -8.3247, -50.5701

Details

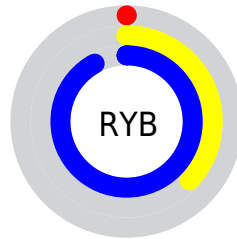
The Yxy color **30.0545, 0.1933, 0.2159** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **22.8074, 0.5914, 0.3686**, and the grayscale version is **18.2400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9343, 0.2285, 0.2745**, and **13.5224, 0.1864, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **30.0568, 0.1933, 0.2159**, and if you desaturate by 10%, it is **32.9329, 0.1984, 0.2283**.

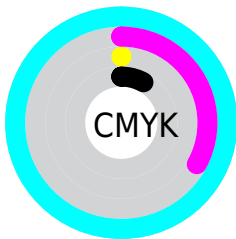
Distribution



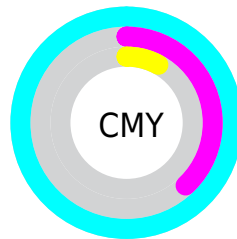
- Red (0%)
- Green (62%)
- Blue (92%)



- Red (0%)
- Yellow (37%)
- Blue (92%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (38%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0545, 0.1933, 0.2159 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 30.0545, 0.1933, 0.2159 by changing the saturation by 10% instead.

■ 30.0545, 0.1933,
0.2159

■ 30.0545, 0.1933,
0.2159

■ 302.1584, 0.2531,
0.2737

■ 19.8800, 0.1790,
0.2017

■ 59.7484, 0.2147,
0.2369

■ 12.3078, 0.1613,
0.1839

■ 80.0365, 0.2228,
0.2448

■ 6.9537, 0.1389,
0.1612

■ 104.4645, 0.2298,
0.2515

■ 3.4331, 0.1106,
0.1318

■ 133.4170, 0.2358,
0.2572

■ 1.3618, 0.0754,
0.0941

■ 167.2782, 0.2410,
0.2622

■ 0.1883, 0.0026,
0.0275

206.4326, 0.2455,

■ 0.0000, 0.0000,

0.2665

0.0000

251.2645, 0.2495,
0.2703

■ 30.0545, 0.1933,
0.2159

■ 30.0545, 0.1933,
0.2159

■ 30.0568, 0.1933,
0.2159

■ 32.9329, 0.1984,
0.2283

■ 36.2019, 0.2053,
0.2409

■ 39.9384, 0.2143,
0.2536

■ 44.1870, 0.2252,
0.2662

■ 48.9855, 0.2377,
0.2785

■ 54.3674, 0.2516,
0.2901

■ 60.3629, 0.2664,
0.3011

■ 66.9996, 0.2817,
0.3113

■ 74.3033, 0.2973,
0.3206

Harmonies

Analogous

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



30.0545, 0.1779, 0.2476



30.0545, 0.1933, 0.2159



30.0545, 0.2367, 0.2122

Triad

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



30.0545, 0.1933, 0.2159



30.0545, 0.4495, 0.3239



30.0545, 0.3037, 0.4606

Complementary

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



30.0545, 0.1933, 0.2159



22.8074, 0.5914, 0.3686

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.



30.0545, 0.3783, 0.4714



30.0545, 0.1933, 0.2159



30.0545, 0.4681, 0.3813

Square

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



30.0545, 0.1933, 0.2159



30.0545, 0.3865, 0.2717



30.0545, 0.4394, 0.4360



30.0545, 0.2356, 0.3949

Rectangle

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



30.0545, 0.1933, 0.2159



30.0545, 0.2804, 0.2232



30.0545, 0.4394, 0.4360



30.0545, 0.3289, 0.4708

Sweetspot

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



30.0568, 0.1933, 0.2159



73.2391, 0.2662, 0.3010



59.3556, 0.2883, 0.5580



14.9967, 0.2598, 0.2964



0.0000, 0.0000, 0.0000



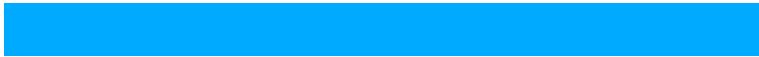
21.4041, 0.3127, 0.3290

Same Dimension

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



30.0568, 0.1933, 0.2159



36.3741, 0.1932, 0.2153



7.6628, 0.1542, 0.0752



16.2379, 0.2981, 0.3211



17.1258, 0.1939, 0.2179



1.5194, 0.1986, 0.2351

Inverse Universe

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



19.9310, 0.4277, 0.2130



24.2031, 0.4283, 0.2133



54.8106, 0.4565, 0.4757



15.2246, 0.3188, 0.3133



11.2217, 0.4255, 0.2118



0.8988, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 30.0545, 0.1933, 0.2159 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 30.0545, 0.1933, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

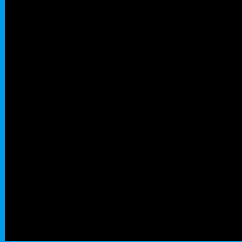
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

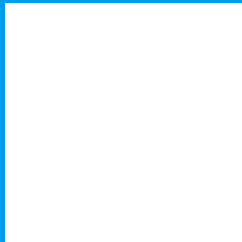
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0545, 0.1933, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 30.0545, 0.1933, 0.2159.



This preview shows how white text looks on a background with the Yxy color 30.0545, 0.1933, 0.2159.

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

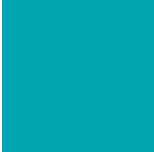
30.0545, 0.1933, 0.2159

Protanopia

30.0045, 0.2320, 0.2202

Deuteranopia

29.8326, 0.2135, 0.2070



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



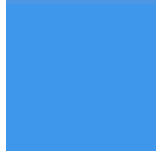
Original Color

30.0545, 0.1933, 0.2159



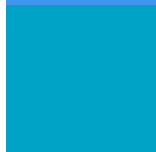
Protanomaly

28.9919, 0.2080, 0.2156



Deuteranomaly

29.1555, 0.2004, 0.2083



Tritanomaly

29.9179, 0.2082, 0.2695

Monochromacy



Original Color

30.0545, 0.1933, 0.2159



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.8848, 0.2358, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0545, 0.1933, 0.2159 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(0, 157, 234)` looks like.

```
.text, #text, p{  
  color:rgb(0, 157, 234)  
}
```

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(0, 157, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 234) }
```

Border

The CSS property to change the border of an element to Yxy 30.0545, 0.1933, 0.2159 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(0, 157, 234) }
```

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

```
.border{ border-color:rgb(0, 157, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0545, 0.1933, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 234) }
```

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

```
.background{ background-color: rgb(0, 157,  
234) }
```

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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