

Converting Colors

$Y_{xy}(19.5460, 0.0585, 0.1680)$

Have a look what the booklet for
Yxy(19.5460, 0.0585, 0.1680)
contains.

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Color

Yxy(30.7065, 0.1902, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	009DF5
RGB	0, 157, 245
RGB Percent	0%, 62%, 96%
CMY	0.9981, 0.3844, 0.0391
CMYK	1.00, 0.36, 0.00, 0.04
HSL	202°, 100%, 48%
HSV	202°, 100%, 96%
XYZ	28.5453, 30.7065, 90.8288
YIQ	120.0890, -121.8200, -5.9160

Conversions

Conversions Part 2

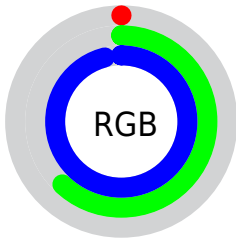
Format	Color
RYB	0, 96, 245
Decimal	40437
CIELab	62.26, -2.48, -53.34
CIELCh	62, 53.400, 267.333
Yxy	30.7065, 0.1902, 0.2046
Android (android.graphics.Color)	4278230517 (0xFF009DF5)
YUV	120.0890, 61.5811, -105.3181
Hunter-Lab	55.4134, -5.0221, -58.3935

Details

The Yxy color **30.7065, 0.1902, 0.2046** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.4839, 0.5833, 0.3749**, and the grayscale version is **18.6887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1235, 0.2297, 0.2746**, and **13.9389, 0.1832, 0.1794** is the 20% darker color. If you saturate the color by 10%, you get **30.6452, 0.1901, 0.2043**, and if you desaturate by 10%, it is **34.0041, 0.1956, 0.2182**.

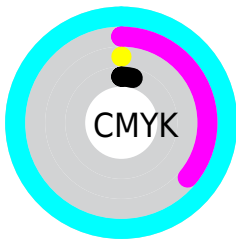
Distribution



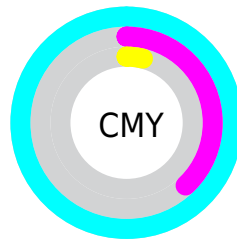
- Red (0%)
- Green (62%)
- Blue (96%)



- Red (0%)
- Yellow (38%)
- Blue (96%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (38%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7065, 0.1902, 0.2046 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 30.7065, 0.1902, 0.2046 by changing the saturation by 10% instead.


 30.7065, 0.1902,
0.2046


 30.7065, 0.1902,
0.2046

305.1839, 0.2510,
0.2669

 20.3755, 0.1759,
0.1898

 60.7777, 0.2118,
0.2268


 12.6683, 0.1582,
0.1715


 81.2866, 0.2201,
0.2353


 7.2005, 0.1362,
0.1486

 105.9570, 0.2272,
0.2425

 3.5878, 0.1088,
0.1198

 135.1732, 0.2333,
0.2488

 1.4458, 0.0751,
0.0840

 169.3195, 0.2386,
0.2542

 0.2501, 0.0203,
0.0286

208.7805, 0.2432,

 0.0000, 0.0000,

0.2589

0.0000

253.9405, 0.2474,
0.2631

■ 30.7065, 0.1902,
0.2046

■ 30.7065, 0.1902,
0.2046

■ 30.6452, 0.1901,
0.2043

■ 34.0041, 0.1956,
0.2182

■ 37.7760, 0.2030,
0.2321

■ 42.1037, 0.2124,
0.2461

■ 47.0381, 0.2238,
0.2601

■ 52.6226, 0.2369,
0.2736

■ 58.8955, 0.2512,
0.2865

■ 65.8914, 0.2663,
0.2986

■ 73.6422, 0.2818,
0.3098

■ 82.1776, 0.2975,
0.3200

Harmonies

Analogous

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



30.7065, 0.1688, 0.2322



30.7065, 0.1902, 0.2046



30.7065, 0.2413, 0.2057

Triad

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



30.7065, 0.1902, 0.2046



30.7065, 0.4691, 0.3325



30.7065, 0.2881, 0.4655

Complementary

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



30.7065, 0.1902, 0.2046



26.4839, 0.5833, 0.3749

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.



30.7065, 0.3689, 0.4867



30.7065, 0.1902, 0.2046



30.7065, 0.4789, 0.3940

Square

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



30.7065, 0.1902, 0.2046



30.7065, 0.4071, 0.2757



30.7065, 0.4392, 0.4520



30.7065, 0.2184, 0.3851

Rectangle

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



30.7065, 0.1902, 0.2046



30.7065, 0.2911, 0.2201



30.7065, 0.4392, 0.4520



30.7065, 0.3149, 0.4802

Sweetspot

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



30.7075, 0.1902, 0.2046



71.9339, 0.2659, 0.2983



65.9968, 0.2860, 0.5495



14.6849, 0.2594, 0.2933



0.0000, 0.0000, 0.0000



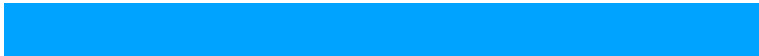
21.4041, 0.3127, 0.3290

Same Dimension

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



30.7075, 0.1902, 0.2046



33.4844, 0.1900, 0.2041



7.9308, 0.1530, 0.0707



17.6957, 0.2980, 0.3203



16.7771, 0.1907, 0.2065



1.6688, 0.1955, 0.2236

Inverse Universe

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



21.8616, 0.4401, 0.2199



23.9114, 0.4407, 0.2201



64.6984, 0.4490, 0.4816



16.6611, 0.3193, 0.3140



11.7930, 0.4379, 0.2186



1.0561, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 30.7065, 0.1902, 0.2046 looks on a white background.

Color Contrast Check

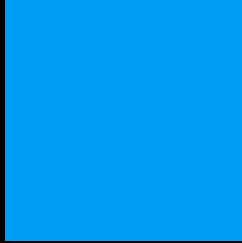
Large Text (above 18pt) WCAG AA × Fail

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 30.7065, 0.1902, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

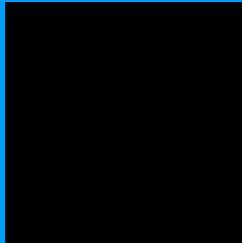
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

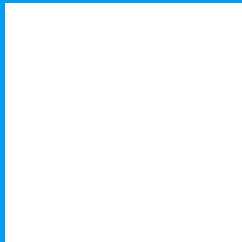
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7065, 0.1902, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 30.7065, 0.1902, 0.2046.



This preview shows how white text looks on a background with the Yxy color 30.7065, 0.1902, 0.2046.

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

30.7065, 0.1902, 0.2046

Protanopia

30.6366, 0.2230, 0.2085

Deuteranopia

30.5543, 0.2048, 0.1979



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.7065, 0.1902, 0.2046

Protanomaly

29.8211, 0.2030, 0.2054

Deuteranomaly

30.2770, 0.1959, 0.2000

Tritanomaly

30.4587, 0.2071, 0.2655

Monochromacy



Original Color

30.7065, 0.1902, 0.2046

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

21.0695, 0.2338, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7065, 0.1902, 0.2046 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, 245)` looks like.

```
.text, #text, p{  
  color:rgb(0, 157, 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(0, 157, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 245) }
```

Border

The CSS property to change the border of an element to Yxy 30.7065, 0.1902, 0.2046 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, 245) }
```

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

```
.border{ border-color:rgb(0, 157, 245) }
```

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, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7065, 0.1902, 0.2046 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, 245) }
```

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

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