

Converting Colors

$Y_{xy}(20.4064, 0.0721, 0.1816)$

Have a look what the booklet for
Yxy(20.4064, 0.0721, 0.1816)
contains.

Yxy(30.2284, 0.1924, 0.2127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2284, 0.1924, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	009DED
RGB	0, 157, 237
RGB Percent	0%, 62%, 93%
CMY	1.0000, 0.3843, 0.0704
CMYK	1.00, 0.34, 0.00, 0.07
HSL	200°, 100%, 46%
HSV	200°, 100%, 93%
XYZ	27.3434, 30.2284, 84.5457
YIQ	119.1770, -119.2520, -8.4040

Conversions

Conversions Part 2

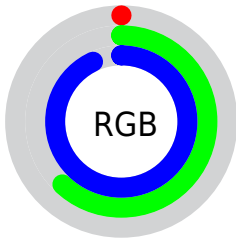
Format	Color
RYB	0, 94, 237
Decimal	40429
CIELab	61.85, -5.49, -49.60
CIELCh	62, 49.904, 263.681
Yxy	30.2284, 0.1924, 0.2127
Android (android.graphics.Color)	4278230509 (0xFF009DED)
YUV	119.1770, 58.0867, -104.5182
Hunter-Lab	54.9804, -7.4421, -52.6866

Details

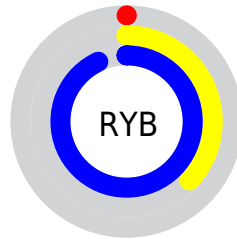
The Yxy color **30.2284, 0.1924, 0.2127** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.7547, 0.5893, 0.3703**, and the grayscale version is **18.3500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9967, 0.2289, 0.2745**, and **13.6443, 0.1854, 0.1875** is the 20% darker color. If you saturate the color by 10%, you get **30.2320, 0.1924, 0.2127**, and if you desaturate by 10%, it is **33.2204, 0.1976, 0.2254**.

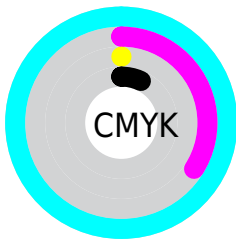
Distribution



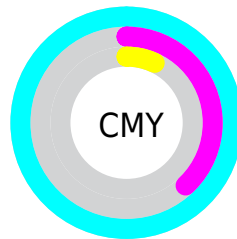
- Red (0%)
- Green (62%)
- Blue (93%)



- Red (0%)
- Yellow (37%)
- Blue (93%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2284, 0.1924, 0.2127 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 30.2284, 0.1924, 0.2127 by changing the saturation by 10% instead.


 30.2284, 0.1924,
0.2127


 30.2284, 0.1924,
0.2127


302.9676, 0.2525,
0.2718


 20.0120, 0.1781,
0.1983


 60.0232, 0.2139,
0.2340

 12.4038, 0.1604,
0.1804


 80.3704, 0.2221,
0.2421


 7.0193, 0.1381,
0.1576


 104.8633, 0.2290,
0.2490

 3.4742, 0.1100,
0.1283

 133.8864, 0.2351,
0.2548

 1.3840, 0.0753,
0.0911

 167.8239, 0.2403,
0.2599

 0.2049, 0.0083,
0.0279

207.0604, 0.2449,

 0.0000, 0.0000,

0.2644

0.0000

251.9802, 0.2489,
0.2683

■ 30.2284, 0.1924,
0.2127

■ 30.2284, 0.1924,
0.2127

■ 30.2320, 0.1924,
0.2127

■ 33.2204, 0.1976,
0.2254

■ 36.6224, 0.2046,
0.2384

■ 40.5146, 0.2137,
0.2515

■ 44.9433, 0.2247,
0.2644

■ 49.9478, 0.2374,
0.2770

■ 55.5630, 0.2514,
0.2891

■ 61.8200, 0.2663,
0.3004

■ 68.7479, 0.2817,
0.3108

■ 76.3733, 0.2972,
0.3204

Harmonies

Analogous

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



30.2284, 0.1754, 0.2433



30.2284, 0.1924, 0.2127



30.2284, 0.2379, 0.2104

Triad

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



30.2284, 0.1924, 0.2127



30.2284, 0.4549, 0.3263



30.2284, 0.2994, 0.4620

Complementary

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



30.2284, 0.1924, 0.2127



23.7547, 0.5893, 0.3703

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.



30.2284, 0.3758, 0.4756



30.2284, 0.1924, 0.2127



30.2284, 0.4712, 0.3848

Square

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



30.2284, 0.1924, 0.2127



30.2284, 0.3921, 0.2728



30.2284, 0.4395, 0.4404



30.2284, 0.2308, 0.3923

Rectangle

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



30.2284, 0.1924, 0.2127



30.2284, 0.2833, 0.2223



30.2284, 0.4395, 0.4404



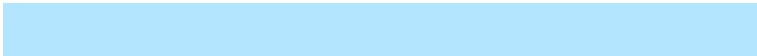
30.2284, 0.3251, 0.4734

Sweetspot

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



30.2320, 0.1924, 0.2127



72.8767, 0.2661, 0.3002



61.1574, 0.2872, 0.5540



14.9100, 0.2597, 0.2955



0.0000, 0.0000, 0.0000



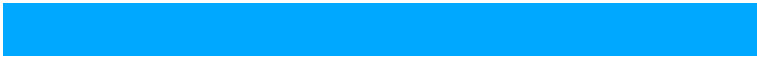
21.4041, 0.3127, 0.3290

Same Dimension

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



30.2320, 0.1924, 0.2127



35.5580, 0.1923, 0.2122



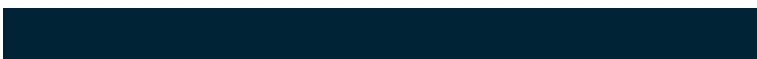
7.6014, 0.1536, 0.0728



16.2154, 0.2981, 0.3209



16.7514, 0.1930, 0.2148



1.4920, 0.1979, 0.2325

Inverse Universe

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



20.4462, 0.4311, 0.2149



24.1207, 0.4317, 0.2152



58.1876, 0.4527, 0.4787



15.2223, 0.3189, 0.3135



11.1839, 0.4289, 0.2136



0.8960, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 30.2284, 0.1924, 0.2127 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 30.2284, 0.1924, 0.2127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

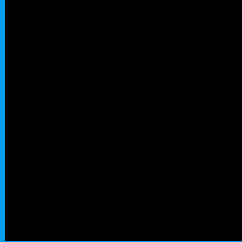
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

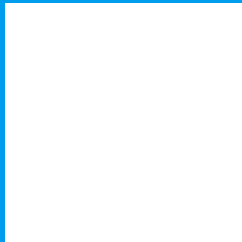
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2284, 0.1924, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 30.2284, 0.1924, 0.2127.

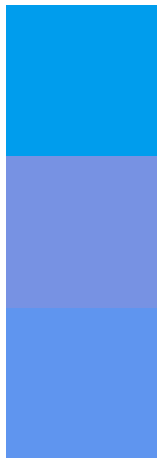


This preview shows how white text looks on a background with the Yxy color 30.2284, 0.1924, 0.2127.

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

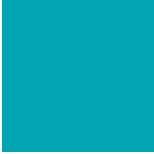
30.2284, 0.1924, 0.2127

Protanopia

30.0258, 0.2291, 0.2167

Deuteranopia

30.1598, 0.2111, 0.2051



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.2284, 0.1924, 0.2127

Protanomaly

29.1187, 0.2064, 0.2123

Deuteranomaly

29.5902, 0.1992, 0.2066

Tritanomaly

29.9642, 0.2078, 0.2681

Monochromacy



Original Color

30.2284, 0.1924, 0.2127

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.9202, 0.2351, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2284, 0.1924, 0.2127 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 237) }
```

Border

The CSS property to change the border of an element to Yxy 30.2284, 0.1924, 0.2127 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, 237) }
```

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

```
.border{ border-color:rgb(0, 157, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2284, 0.1924, 0.2127 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, 237) }
```

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

```
.background{ background-color: rgb(0, 157,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor