

Converting Colors

$Yxy(27.2475, 0.1930, 0.2147)$

Have a look what the booklet for
Yxy(27.2475, 0.1930, 0.2147)
contains.

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Color

Yxy(27.2489, 0.1930, 0.2146)

Conversions

Conversions Part 1

Format	Color
Hex	0196E1
RGB	1, 150, 225
RGB Percent	0%, 59%, 88%
CMY	0.9970, 0.4118, 0.1175
CMYK	1.00, 0.33, 0.00, 0.12
HSL	200°, 99%, 44%
HSV	200°, 100%, 88%
XYZ	24.5062, 27.2489, 75.2202
YIQ	113.9990, -112.8790, -8.2630

Conversions

Conversions Part 2

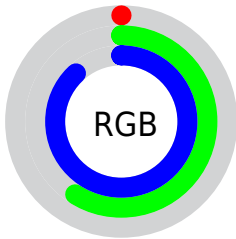
Format	Color
R _Y B	1, 90, 225
Decimal	104161
CIE Lab	59.20, -5.92, -47.14
CIE LCh	59, 47.510, 262.843
Yxy	27.2489, 0.1930, 0.2146
Android (android.graphics.Color)	4278294241 (0xFF0196E1)
YUV	113.9990, 54.7235, -99.1001
Hunter-Lab	52.2005, -7.5516, -48.8957

Details

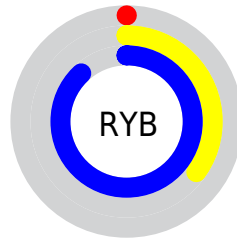
The Yxy color **27.2489, 0.1930, 0.2146** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **21.1554, 0.5888, 0.3704**, and the grayscale version is **16.6606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4090, 0.2258, 0.2652**, and **11.9789, 0.1862, 0.1904** is the 20% darker color. If you saturate the color by 10%, you get **27.1636, 0.1928, 0.2142**, and if you desaturate by 10%, it is **29.9107, 0.1982, 0.2272**.

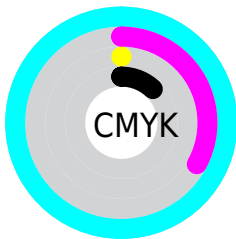
Distribution



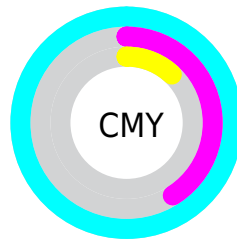
- Red (0%)
- Green (59%)
- Blue (88%)



- Red (0%)
- Yellow (35%)
- Blue (88%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (41%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2489, 0.1930, 0.2146 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 27.2489, 0.1930, 0.2146 by changing the saturation by 10% instead.

■ 27.2489, 0.1930,
0.2146

■ 27.2489, 0.1930,
0.2146

■ 288.8602, 0.2539,
0.2739

■ 17.7602, 0.1782,
0.1998

■ 55.2830, 0.2150,
0.2363

■ 10.7780, 0.1596,
0.1811

■ 74.5973, 0.2233,
0.2444

■ 5.9178, 0.1361,
0.1571

■ 97.9555, 0.2304,
0.2513

■ 2.7951, 0.1061,
0.1258

■ 125.7421, 0.2365,
0.2571

■ 1.0257, 0.0688,
0.0857

■ 158.3415, 0.2417,
0.2622

■ 0.0000, 0.0000,
0.0000

196.1380, 0.2463,

0.2666

239.5162, 0.2503,
0.2705

■ 27.2489, 0.1930,
0.2146

■ 27.2489, 0.1930,
0.2146

■ 27.1636, 0.1928,
0.2142

■ 29.9107, 0.1982,
0.2272

■ 32.9387, 0.2053,
0.2400

■ 36.3996, 0.2144,
0.2529

■ 40.3340, 0.2255,
0.2657

■ 44.7759, 0.2382,
0.2781

■ 49.7560, 0.2521,
0.2900

■ 55.3015, 0.2670,
0.3011

■ 61.4377, 0.2823,
0.3114

■ 68.1880, 0.2978,
0.3208

Harmonies

Analogous

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



27.2489, 0.1769, 0.2458



27.2489, 0.1930, 0.2146



27.2489, 0.2373, 0.2115

Triad

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



27.2489, 0.1930, 0.2146



27.2489, 0.4517, 0.3250



27.2489, 0.3019, 0.4611

Complementary

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



27.2489, 0.1930, 0.2146



21.1554, 0.5888, 0.3704

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.



27.2489, 0.3772, 0.4731



27.2489, 0.1930, 0.2146



27.2489, 0.4693, 0.3828

Square

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



27.2489, 0.1930, 0.2146



27.2489, 0.3889, 0.2722



27.2489, 0.4393, 0.4378



27.2489, 0.2336, 0.3938

Rectangle

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



27.2489, 0.1930, 0.2146



27.2489, 0.2817, 0.2229



27.2489, 0.4393, 0.4378



27.2489, 0.3273, 0.4718

Sweetspot

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



27.2498, 0.1930, 0.2146



73.0054, 0.2661, 0.3005



54.3845, 0.2870, 0.5528



14.9408, 0.2598, 0.2958



0.0000, 0.0000, 0.0000



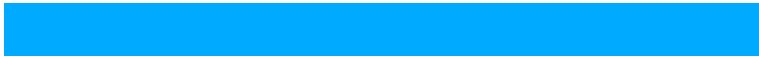
21.4041, 0.3127, 0.3290

Same Dimension

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



27.2498, 0.1930, 0.2146



35.8466, 0.1926, 0.2133



6.8377, 0.1538, 0.0736



14.7592, 0.2982, 0.3210



15.8724, 0.1934, 0.2161



1.2630, 0.1988, 0.2356

Inverse Universe

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



18.2297, 0.4290, 0.2139



24.1499, 0.4305, 0.2145



51.8299, 0.4524, 0.4788



13.8536, 0.3189, 0.3135



10.5104, 0.4274, 0.2128



0.7450, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 27.2489, 0.1930, 0.2146 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 27.2489, 0.1930, 0.2146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

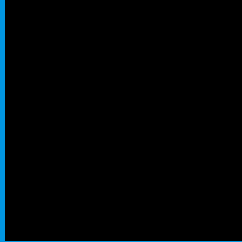
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

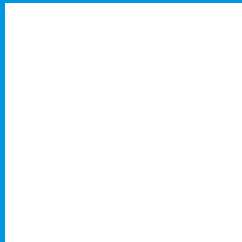
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2489, 0.1930, 0.2146

Background



This preview shows how black text looks on a background with the Yxy color 27.2489, 0.1930, 0.2146.

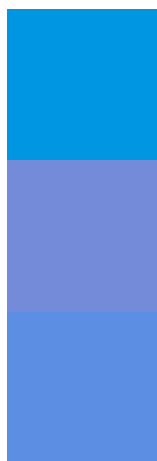


This preview shows how white text looks on a background with the Yxy color 27.2489, 0.1930, 0.2146.

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

27.2554, 0.1930, 0.2147

Protanopia

27.0679, 0.2306, 0.2175

Deuteranopia

27.1674, 0.2125, 0.2065



Tritanopia

27.3183, 0.2191, 0.3087

Trichromacy



Original Color

27.2554, 0.1930, 0.2147



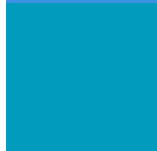
Protanomaly

26.1759, 0.2074, 0.2141



Deuteranomaly

26.6716, 0.2003, 0.2082



Tritanomaly

27.1168, 0.2084, 0.2704

Monochromacy



Original Color

27.2554, 0.1930, 0.2147



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

18.9283, 0.2362, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2489, 0.1930, 0.2146 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(1, 150, 225)` looks like.

```
.text, #text, p{  
    color:rgb(1, 150, 225)  
}
```

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(1, 150, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 150, 225) }
```

Border

The CSS property to change the border of an element to Yxy 27.2489, 0.1930, 0.2146 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(1, 150, 225) }
```

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

```
.border{ border-color:rgb(1, 150, 225) }
```

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

Here you see how a box with a 4 pixel rgb(1, 150, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 150, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 150, 225);  
box-shadow:4px 4px 4px 4px rgb(1, 150,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2489, 0.1930, 0.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 150, 225) }
```

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

```
.background{ background-color: rgb(1, 150,  
225) }
```

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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