

Converting Colors

$Y_{xy}(20.7453, 0.0759, 0.1820)$

Have a look what the booklet for
Yxy(20.7453, 0.0759, 0.1820)
contains.

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Color

Yxy(30.6268, 0.1926, 0.2132)

Conversions

Conversions Part 1

Format	Color
Hex	019EEE
RGB	1, 158, 238
RGB Percent	0%, 62%, 93%
CMY	0.9974, 0.3804, 0.0666
CMYK	1.00, 0.34, 0.00, 0.07
HSL	200°, 99%, 47%
HSV	200°, 100%, 93%
XYZ	27.6676, 30.6268, 85.3586
YIQ	120.1770, -119.2520, -8.4040

Conversions

Conversions Part 2

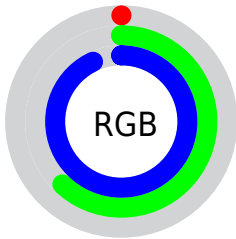
Format	Color
R_{YB}	1, 95, 238
Decimal	106222
CIE _{Lab}	62.19, -5.66, -49.60
CIE _{LCh}	62, 49.923, 263.489
Yxy	30.6268, 0.1926, 0.2132
Android (android.graphics.Color)	4278296302 (0xFF019EEE)
YUV	120.1770, 58.0867, -104.5182
Hunter-Lab	55.3415, -7.6079, -52.7097

Details

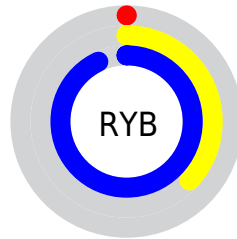
The Yxy color **30.6268, 0.1926, 0.2132** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.0228, 0.5889, 0.3704**, and the grayscale version is **18.6458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4951, 0.2292, 0.2758**, and **13.8928, 0.1856, 0.1882** is the 20% darker color. If you saturate the color by 10%, you get **30.5471, 0.1925, 0.2128**, and if you desaturate by 10%, it is **33.6513, 0.1978, 0.2259**.

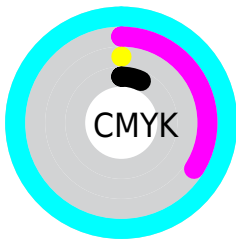
Distribution



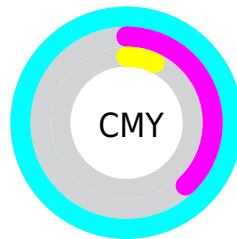
- Red (0%)
- Green (62%)
- Blue (93%)



- 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 30.6268, 0.1926, 0.2132 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 30.6268, 0.1926, 0.2132 by changing the saturation by 10% instead.


 30.6268, 0.1926,
0.2132


 30.6268, 0.1926,
0.2132


304.8153, 0.2525,
0.2720

 20.3148, 0.1784,
0.1989


 60.6520, 0.2140,
0.2344


 12.6241, 0.1608,
0.1811


 81.1341, 0.2221,
0.2424

 7.1702, 0.1387,
0.1585


 105.7749, 0.2291,
0.2492

 3.5688, 0.1108,
0.1295

 134.9590, 0.2351,
0.2551

 1.4354, 0.0762,
0.0926

 169.0707, 0.2403,
0.2602

 0.2426, 0.0122,
0.0321

208.4944, 0.2449,

 0.0000, 0.0000,

0.2646

0.0000

253.6144, 0.2489,
0.2685

■ 30.6268, 0.1926,
0.2132

■ 30.6268, 0.1926,
0.2132

■ 30.5471, 0.1925,
0.2128

■ 33.6513, 0.1978,
0.2259

■ 37.0963, 0.2048,
0.2389

■ 41.0371, 0.2140,
0.2519

■ 45.5204, 0.2251,
0.2649

■ 50.5856, 0.2378,
0.2774

■ 56.2679, 0.2518,
0.2894

■ 62.5987, 0.2667,
0.3007

■ 69.6071, 0.2821,
0.3111

■ 77.3202, 0.2977,
0.3206

Harmonies

Analogous

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



30.6268, 0.1758, 0.2439



30.6268, 0.1926, 0.2132



30.6268, 0.2378, 0.2107

Triad

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



30.6268, 0.1926, 0.2132



30.6268, 0.4541, 0.3260



30.6268, 0.3000, 0.4617

Complementary

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



30.6268, 0.1926, 0.2132



24.0228, 0.5889, 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.



30.6268, 0.3761, 0.4750



30.6268, 0.1926, 0.2132



30.6268, 0.4707, 0.3843

Square

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



30.6268, 0.1926, 0.2132



30.6268, 0.3913, 0.2727



30.6268, 0.4394, 0.4397



30.6268, 0.2315, 0.3926

Rectangle

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



30.6268, 0.1926, 0.2132



30.6268, 0.2829, 0.2225



30.6268, 0.4394, 0.4397



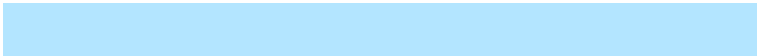
30.6268, 0.3256, 0.4730

Sweetspot

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



30.6278, 0.1926, 0.2132



72.8962, 0.2661, 0.3003



61.7422, 0.2871, 0.5535



14.9147, 0.2597, 0.2956



0.0000, 0.0000, 0.0000



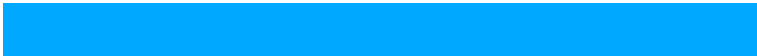
21.4041, 0.3127, 0.3290

Same Dimension

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



30.6278, 0.1926, 0.2132



35.6017, 0.1923, 0.2124



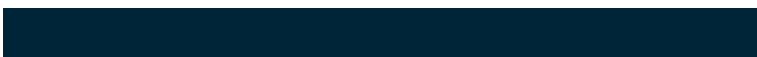
7.7114, 0.1537, 0.0731



16.9788, 0.2980, 0.3208



17.2873, 0.1930, 0.2148



1.6211, 0.1977, 0.2316

Inverse Universe

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



20.6635, 0.4306, 0.2147



24.1252, 0.4315, 0.2151



58.7823, 0.4526, 0.4787



15.9355, 0.3190, 0.3135



11.5385, 0.4288, 0.2136



0.9784, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 30.6268, 0.1926, 0.2132 looks on a white background.

Color Contrast Check

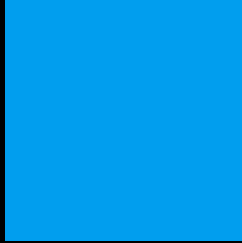
Large Text (above 18pt) WCAG AA × Fail

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 30.6268, 0.1926, 0.2132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

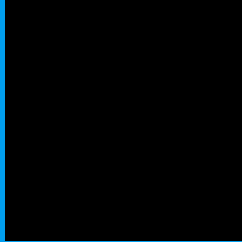
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

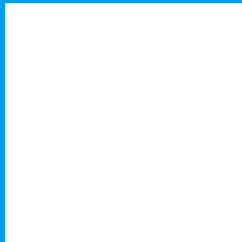
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6268, 0.1926, 0.2132

Background



This preview shows how black text looks on a background with the Yxy color 30.6268, 0.1926, 0.2132.



This preview shows how white text looks on a background with the Yxy color 30.6268, 0.1926, 0.2132.

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

30.6332, 0.1926, 0.2133

Protanopia

30.4619, 0.2295, 0.2172

Deuteranopia

30.5908, 0.2115, 0.2057

Trichromacy



Original Color

30.6332, 0.1926, 0.2133

Protanomaly

29.5372, 0.2068, 0.2129

Deuteranomaly

30.0066, 0.1995, 0.2072

Monochromacy



Original Color

30.6332, 0.1926, 0.2133

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

21.2723, 0.2355, 0.2753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6268, 0.1926, 0.2132 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, 158, 238)` looks like.

```
.text, #text, p{  
    color:rgb(1, 158, 238)  
}
```

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, 158, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 158, 238) }
```

Border

The CSS property to change the border of an element to Yxy 30.6268, 0.1926, 0.2132 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, 158, 238) }
```

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

```
.border{ border-color:rgb(1, 158, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 158, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 158, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 158, 238); box-shadow:4px 4px 4px 4px rgb(1, 158, 238) }
```

Background

The CSS property to change the background color of an element to Yxy 30.6268, 0.1926, 0.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 158, 238) }
```

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

```
.background{ background-color: rgb(1, 158,  
238) }
```

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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