

Converting Colors

$Yxy(36.8918, 0.2002, 0.2292)$

Have a look what the booklet for
Yxy(36.8918, 0.2002, 0.2292)
contains.

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Color

Yxy(36.8918, 0.2002, 0.2292)

Conversions

Conversions Part 1

Format	Color
Hex	26ADF5
RGB	38, 173, 245
RGB Percent	15%, 68%, 96%
CMY	0.8517, 0.3215, 0.0390
CMYK	0.85, 0.29, 0.00, 0.04
HSL	201°, 91%, 55%
HSV	201°, 85%, 96%
XYZ	32.2240, 36.8918, 91.8432
YIQ	140.8430, -103.5720, -6.2280

Conversions

Conversions Part 2

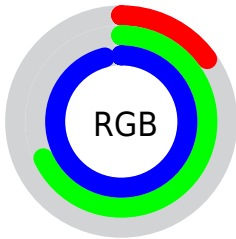
Format	Color
R _Y B	38, 120, 245
Decimal	2534901
CIE Lab	67.20, -9.96, -45.53
CIE LCh	67, 46.605, 257.663
Yxy	36.8918, 0.2002, 0.2292
Android (android.graphics.Color)	4280724981 (0xFF26ADF5)
YUV	140.8430, 51.3494, -90.1933
Hunter-Lab	60.7386, -11.5920, -47.1357

Details

The Yxy color **36.8918, 0.2002, 0.2292** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **30.6801, 0.5468, 0.3849**, and the grayscale version is **26.3778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6999, 0.2381, 0.2966**, and **17.3056, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **33.4087, 0.1940, 0.2159**, and if you desaturate by 10%, it is **40.8910, 0.2085, 0.2427**.

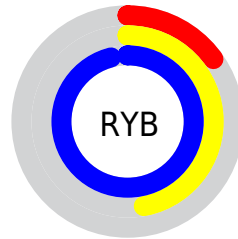
Distribution



Red (15%)

Green (68%)

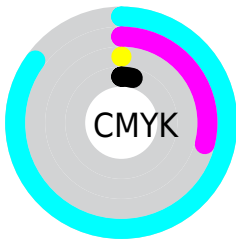
Blue (96%)



Red (15%)

Yellow (47%)

Blue (96%)

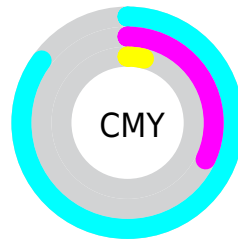


Cyan (85%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (85%)


Magenta (32%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8918, 0.2002, 0.2292 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 36.8918, 0.2002, 0.2292 by changing the saturation by 10% instead.


 36.8918, 0.2002,
0.2292


 36.8918, 0.2002,
0.2292


332.8418, 0.2550,
0.2794


 25.1237, 0.1874,
0.2171


 70.4063, 0.2196,
0.2472

 16.1693, 0.1716,
0.2019


 92.9216, 0.2270,
0.2541


 9.6440, 0.1518,
0.1825


 119.7880, 0.2334,
0.2599

 5.1636, 0.1267,
0.1572

 151.3901, 0.2389,
0.2649

 2.3436, 0.0949,
0.1239

 188.1121, 0.2437,
0.2692

 0.7966, 0.0523,
0.0811

230.3384, 0.2479,

 0.0000, 0.0000,

0.2730

0.0000

278.4536, 0.2517,
0.2764

■ 36.8918, 0.2002,
0.2292

■ 36.8918, 0.2002,
0.2292

■ 33.4087, 0.1940,
0.2159

■ 40.8910, 0.2085,
0.2427

■ 31.6879, 0.1914,
0.2088

■ 45.4584, 0.2188,
0.2562

■ 50.6413, 0.2309,
0.2694

■ 56.4799, 0.2445,
0.2822

■ 63.0099, 0.2592,
0.2942

■ 70.2642, 0.2745,
0.3054

■ 78.2729, 0.2901,
0.3157

■ 87.0644, 0.3057,
0.3251

■ 96.0230, 0.3188,
0.3335

Harmonies

Analogous

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



36.8918, 0.1901, 0.2632



36.8918, 0.2002, 0.2292



36.8918, 0.2365, 0.2216

Triad

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



36.8918, 0.2002, 0.2292



36.8918, 0.4287, 0.3178



36.8918, 0.3161, 0.4502

Complementary

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



36.8918, 0.2002, 0.2292



30.6801, 0.5468, 0.3849

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.



36.8918, 0.3828, 0.4544



36.8918, 0.2002, 0.2292



36.8918, 0.4528, 0.3703

Square

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



36.8918, 0.2002, 0.2292



36.8918, 0.3685, 0.2708



36.8918, 0.4339, 0.4205



36.8918, 0.2520, 0.3984

Rectangle

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



36.8918, 0.2002, 0.2292



36.8918, 0.2742, 0.2294



36.8918, 0.4339, 0.4205



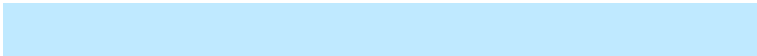
36.8918, 0.3389, 0.4571

Sweetspot

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



36.8930, 0.2002, 0.2292



76.5152, 0.2737, 0.3049



66.7994, 0.2826, 0.5228



15.7621, 0.2683, 0.3010



0.0000, 0.0000, 0.0000



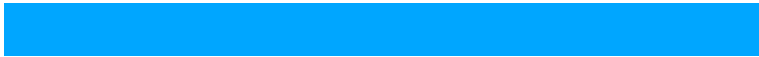
21.4041, 0.3127, 0.3290

Same Dimension

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



36.8930, 0.2002, 0.2292



34.6211, 0.1913, 0.2086



11.6847, 0.1650, 0.0982



17.7314, 0.2980, 0.3206



17.3330, 0.1919, 0.2110



1.7151, 0.1965, 0.2275

Inverse Universe

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



23.8123, 0.4119, 0.2137



24.0262, 0.4357, 0.2174



65.9028, 0.4421, 0.4762



16.6647, 0.3191, 0.3137



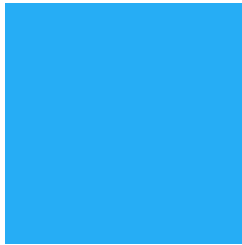
11.8491, 0.4330, 0.2159



1.0608, 0.4153, 0.2061

Previews

White Background



This preview shows how the Yxy color 36.8918, 0.2002, 0.2292 looks on a white background.

Color Contrast Check

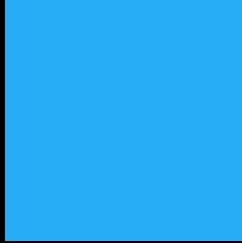
Large Text (above 18pt) WCAG AA × Fail

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 36.8918, 0.2002, 0.2292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

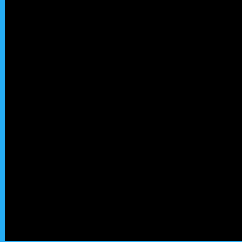
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

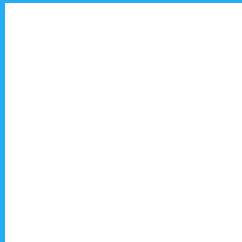
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8918, 0.2002, 0.2292

Background



This preview shows how black text looks on a background with the Yxy color 36.8918, 0.2002, 0.2292.



This preview shows how white text looks on a background with the Yxy color 36.8918, 0.2002, 0.2292.

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

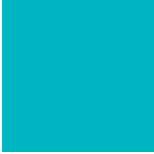
36.8918, 0.2002, 0.2292

Protanopia

36.4854, 0.2410, 0.2320

Deuteranopia

36.6829, 0.2243, 0.2179



Tritanopia

36.9428, 0.2189, 0.3079

Trichromacy



Original Color

36.8918, 0.2002, 0.2292

Protanomaly

35.9081, 0.2199, 0.2298

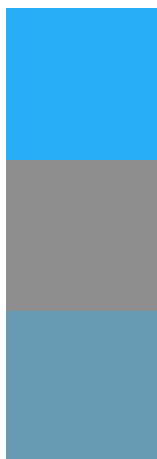
Deuteranomaly

36.2120, 0.2117, 0.2207

Tritanomaly

36.7382, 0.2107, 0.2754

Monochromacy



Original Color

36.8918, 0.2002, 0.2292

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.9207, 0.2489, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8918, 0.2002, 0.2292 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(38, 173, 245)` looks like.

```
.text, #text, p{  
    color:rgb(38, 173, 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(38, 173, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 173, 245) }
```

Border

The CSS property to change the border of an element to Yxy 36.8918, 0.2002, 0.2292 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(38, 173, 245) }
```

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

```
.border{ border-color:rgb(38, 173, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 173, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 173, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 173, 245);  
box-shadow:4px 4px 4px 4px rgb(38, 173,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8918, 0.2002, 0.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 173, 245) }
```

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

```
.background{ background-color: rgb(38, 173,  
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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