

Converting Colors

$Yxy(37.4807, 0.1964, 0.2190)$

Have a look what the booklet for
Yxy(37.4807, 0.1964, 0.2190)
contains.

Yxy(37.4142, 0.1964, 0.2187)	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(37.4142, 0.1964, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	20ADFF
RGB	32, 173, 255
RGB Percent	13%, 68%, 100%
CMY	0.8728, 0.3216, 0.0000
CMYK	0.87, 0.32, 0.00, 0.00
HSL	202°, 100%, 56%
HSV	202°, 87%, 100%
XYZ	33.5992, 37.4142, 100.0620
YIQ	140.1890, -110.3580, -4.3900

Conversions

Conversions Part 2

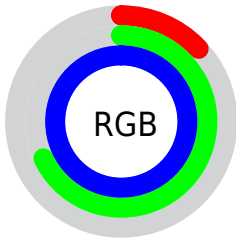
Format	Color
R _Y B	32, 118, 255
Decimal	2141695
CIE Lab	67.59, -6.75, -50.33
CIE LCh	68, 50.782, 262.360
Yxy	37.4142, 0.1964, 0.2187
Android (android.graphics.Color)	4280331775 (0xFF20ADFF)
YUV	140.1890, 56.6018, -94.8818
Hunter-Lab	61.1671, -8.9922, -54.1742

Details

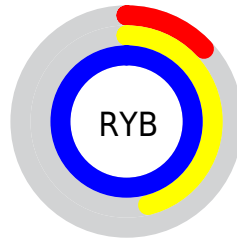
The Yxy color **37.4142, 0.1964, 0.2187** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **33.5040, 0.5504, 0.3876**, and the grayscale version is **26.1605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6287, 0.2377, 0.2965**, and **17.7520, 0.1877, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **33.6681, 0.1906, 0.2047**, and if you desaturate by 10%, it is **41.7298, 0.2044, 0.2330**.

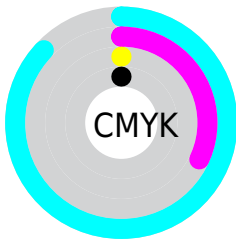
Distribution



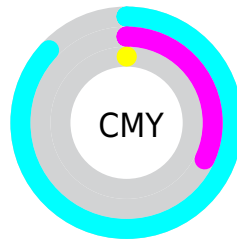
- Red (13%)
- Green (68%)
- Blue (100%)



- Red (13%)
- Yellow (46%)
- Blue (100%)



- Cyan (87%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4142, 0.1964, 0.2187 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 37.4142, 0.1964, 0.2187 by changing the saturation by 10% instead.


 37.4142, 0.1964,
0.2187

 37.4142, 0.1964,
0.2187


335.1003, 0.2527,
0.2732


 25.5284, 0.1834,
0.2059


 71.2094, 0.2161,
0.2380


 16.4711, 0.1675,
0.1900


 93.8875, 0.2238,
0.2454


 9.8581, 0.1478,
0.1700


 120.9318, 0.2303,
0.2518

 5.3050, 0.1231,
0.1445

 152.7267, 0.2360,
0.2572

 2.4273, 0.0922,
0.1119

 189.6566, 0.2410,
0.2620

 0.8399, 0.0540,
0.0716

232.1059, 0.2453,

 0.0000, 0.0000,

0.2662

0.0000

280.4590, 0.2492,
0.2699

■ 37.4142, 0.1964,
0.2187

■ 37.4142, 0.1964,
0.2187

■ 33.6681, 0.1906,
0.2047

■ 41.7298, 0.2044,
0.2330

■ 32.7203, 0.1892,
0.2010

■ 46.6808, 0.2145,
0.2475

■ 52.3221, 0.2265,
0.2617

■ 58.7004, 0.2400,
0.2755

■ 65.8572, 0.2547,
0.2886

■ 73.8301, 0.2700,
0.3008

■ 82.6539, 0.2857,
0.3120

■ 92.3610, 0.3014,
0.3222

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



37.4142, 0.1812, 0.2498



37.4142, 0.1964, 0.2187



37.4142, 0.2391, 0.2151

Triad

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



37.4142, 0.1964, 0.2187



37.4142, 0.4457, 0.3247



37.4142, 0.3039, 0.4561

Complementary

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



37.4142, 0.1964, 0.2187



33.5040, 0.5504, 0.3876

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.



37.4142, 0.3766, 0.4675



37.4142, 0.1964, 0.2187



37.4142, 0.4637, 0.3809

Square

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



37.4142, 0.1964, 0.2187



37.4142, 0.3848, 0.2735



37.4142, 0.4360, 0.4338



37.4142, 0.2375, 0.3925

Rectangle

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



37.4142, 0.1964, 0.2187



37.4142, 0.2818, 0.2258



37.4142, 0.4360, 0.4338



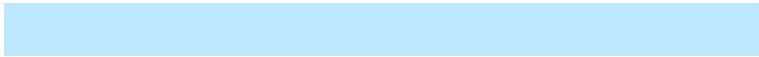
37.4142, 0.3285, 0.4662

Sweetspot

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



37.4151, 0.1964, 0.2187



74.9107, 0.2720, 0.3023



73.0500, 0.2807, 0.5202



15.4145, 0.2666, 0.2982



0.0000, 0.0000, 0.0000



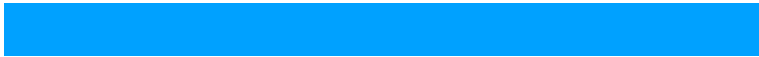
21.4041, 0.3127, 0.3290

Same Dimension

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



37.4151, 0.1964, 0.2187



32.7203, 0.1892, 0.2010



10.9917, 0.1605, 0.0865



19.2900, 0.2979, 0.3200



17.3922, 0.1898, 0.2033



1.9023, 0.1942, 0.2192

Inverse Universe

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



25.3333, 0.4234, 0.2175



23.8343, 0.4442, 0.2221



75.3930, 0.4385, 0.4825



18.1801, 0.3195, 0.3141



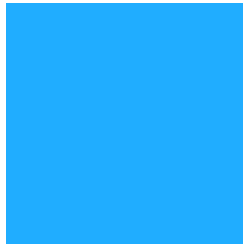
12.4837, 0.4416, 0.2206



1.2366, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 37.4142, 0.1964, 0.2187 looks on a white background.

Color Contrast Check

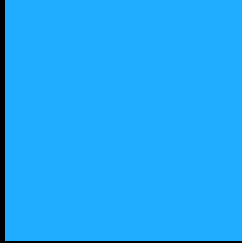
Large Text (above 18pt) WCAG AA × Fail

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 37.4142, 0.1964, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

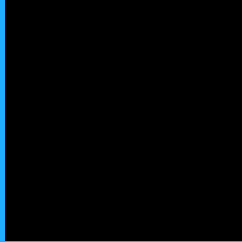
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

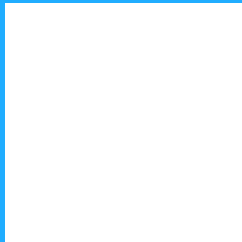
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4142, 0.1964, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 37.4142, 0.1964, 0.2187.



This preview shows how white text looks on a background with the Yxy color 37.4142, 0.1964, 0.2187.

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

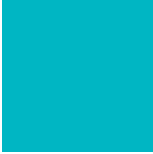
37.4142, 0.1964, 0.2187

Protanopia

37.1723, 0.2340, 0.2227

Deuteranopia

36.9918, 0.2179, 0.2116



Tritanopia

37.3960, 0.2189, 0.3080

Trichromacy



Original Color

37.4142, 0.1964, 0.2187

Protanomaly

36.2842, 0.2139, 0.2190

Deuteranomaly

36.7423, 0.2064, 0.2135

Tritanomaly

37.3281, 0.2095, 0.2716

Monochromacy



Original Color

37.4142, 0.1964, 0.2187

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.6006, 0.2452, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4142, 0.1964, 0.2187 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(32, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(32, 173, 255)  
}
```

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(32, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4142, 0.1964, 0.2187 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(32, 173, 255) }
```

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

```
.border{ border-color:rgb(32, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(32, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(32, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4142, 0.1964, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 173, 255) }
```

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

```
.background{ background-color: rgb(32, 173,  
255) }
```

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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