

Converting Colors

$Y_{xy}(36.9221, 0.2382, 0.2062)$

Have a look what the booklet for
Yxy(36.9221, 0.2382, 0.2062)
contains.

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Color

Yxy(36.7748, 0.2381, 0.2057)

Conversions

Conversions Part 1

Format	Color
Hex	9999FF
RGB	153, 153, 255
RGB Percent	60%, 60%, 100%
CMY	0.4002, 0.3999, 0.0001
CMYK	0.40, 0.40, 0.00, 0.00
HSL	240°, 100%, 80%
HSV	240°, 40%, 100%
XYZ	42.5672, 36.7748, 99.4368
YIQ	164.6280, -32.7420, 31.7220

Conversions

Conversions Part 2

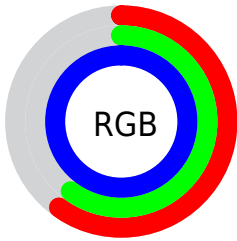
Format	Color
RYB	153, 153, 255
Decimal	10066431
CIELab	67.11, 24.32, -50.75
CIELCh	67, 56.278, 295.605
Yxy	36.7748, 0.2381, 0.2057
Android (android.graphics.Color)	4288256511 (0xFF9999FF)
YUV	164.6280, 44.5534, -10.1978
Hunter-Lab	60.6422, 19.1725, -54.7699

Details

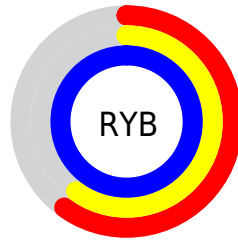
The Yxy color **36.7748, 0.2381, 0.2057** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.0101, 0.3729, 0.4283**, and the grayscale version is **37.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6945, 0.2841, 0.2776**, and **16.0668, 0.2165, 0.1759** is the 20% darker color. If you saturate the color by 10%, you get **27.0849, 0.2163, 0.1697**, and if you desaturate by 10%, it is **48.7781, 0.2594, 0.2408**.

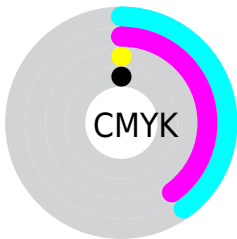
Distribution



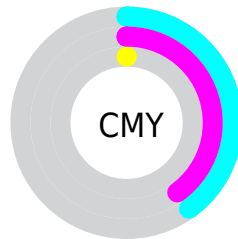
- Red (60%)
- Green (60%)
- Blue (100%)



- Red (60%)
- Yellow (60%)
- Blue (100%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7748, 0.2381, 0.2057 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 36.7748, 0.2381, 0.2057 by changing the saturation by 10% instead.


 36.7748, 0.2381,
0.2057


 36.7748, 0.2381,
0.2057


332.3345, 0.2761,
0.2638

 25.0332, 0.2288,
0.1926


 70.2263, 0.2518,
0.2258

 16.1018, 0.2170,
0.1766


 92.7049, 0.2570,
0.2337

 9.5962, 0.2018,
0.1569


119.5314, 0.2614,
0.2405

 5.1321, 0.1817,
0.1322

151.0901, 0.2652,
0.2464

 2.3250, 0.1545,
0.1014

187.7653, 0.2685,
0.2515

 0.7869, 0.1171,
0.0637

229.9415, 0.2713,

 0.0000, 0.0511,

0.2561

0.0000

278.0031, 0.2738,
0.2602

■ 0.0000, 0.0000,
0.0000

■ 36.7748, 0.2381,
0.2057

■ 36.7748, 0.2381,
0.2057

■ 27.0849, 0.2163,
0.1697

■ 48.7781, 0.2594,
0.2408

■ 19.5558, 0.1954,
0.1351

■ 63.2260, 0.2792,
0.2735

■ 14.0233, 0.1771,
0.1048

■ 80.2448, 0.2970,
0.3030

■ 10.2978, 0.1630,
0.0815

99.9509, 0.3127,
0.3290

■ 8.1530, 0.1541,
0.0668

99.9981, 0.3127,
0.3290

■ 7.2218, 0.1500,
0.0600

Harmonies

Analogous

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



36.7748, 0.1889, 0.2061



36.7748, 0.2381, 0.2057



36.7748, 0.3145, 0.2296

Triad

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



36.7748, 0.2381, 0.2057



36.7748, 0.4786, 0.3902



36.7748, 0.2224, 0.3901

Complementary

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



36.7748, 0.2381, 0.2057



95.0101, 0.3729, 0.4283

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.



36.7748, 0.2929, 0.4674



36.7748, 0.2381, 0.2057



36.7748, 0.4417, 0.4483

Square

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



36.7748, 0.2381, 0.2057



36.7748, 0.4656, 0.3292



36.7748, 0.3731, 0.4847



36.7748, 0.1797, 0.2991

Rectangle

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



36.7748, 0.2381, 0.2057



36.7748, 0.3734, 0.2568



36.7748, 0.3731, 0.4847



36.7748, 0.2435, 0.4203

Sweetspot

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



36.7761, 0.2381, 0.2057



76.6690, 0.2936, 0.2974



85.3781, 0.2582, 0.3307



15.9170, 0.2913, 0.2937



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.



36.7761, 0.2381, 0.2057



28.8623, 0.2207, 0.1769



42.5789, 0.2742, 0.2168



17.3798, 0.2978, 0.3044



3.7754, 0.1500, 0.0600



0.3683, 0.1501, 0.0601

Inverse Universe

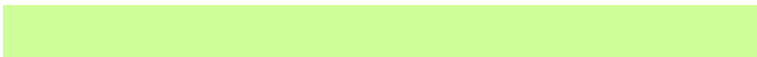
The Inverse Universe completely reimagines the original color for something new.



46.3227, 0.4148, 0.3292



39.6104, 0.4472, 0.3293



86.8731, 0.3392, 0.4408



17.9873, 0.3294, 0.3290



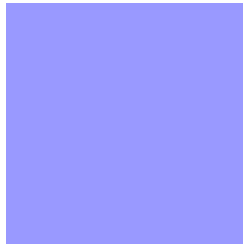
11.1091, 0.6400, 0.3299



1.0817, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 36.7748, 0.2381, 0.2057 looks on a white background.

Color Contrast Check

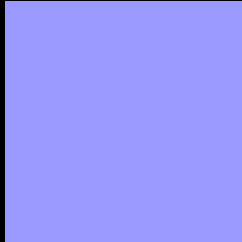
Large Text (above 18pt) WCAG AA × Fail

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 36.7748, 0.2381, 0.2057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

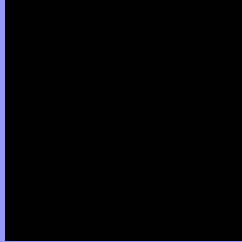
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7748, 0.2381, 0.2057

Background



This preview shows how black text looks on a background with the Yxy color 36.7748, 0.2381, 0.2057.



This preview shows how white text looks on a background with the Yxy color 36.7748, 0.2381, 0.2057.

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

36.7748, 0.2381, 0.2057

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

37.0681, 0.2202, 0.2139



Tritanopia

36.9042, 0.2737, 0.3096

Trichromacy



Original Color

36.7748, 0.2381, 0.2057

Protanomaly

36.6523, 0.2289, 0.2075

Deuteranomaly

36.6979, 0.2257, 0.2098

Tritanomaly

36.5486, 0.2595, 0.2652

Monochromacy



Original Color

36.7748, 0.2381, 0.2057

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.1440, 0.2821, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7748, 0.2381, 0.2057 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(153, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 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(153, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.7748, 0.2381, 0.2057 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(153, 153, 255) }
```

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

```
.border{ border-color:rgb(153, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7748, 0.2381, 0.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 255) }
```

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

```
.background{ background-color: rgb(153,  
153, 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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