

Converting Colors

$Y_{xy}(100.0000, 0.4491, 0.2739)$

Have a look what the booklet for
Yxy(100.0000, 0.4491, 0.2739)
contains.

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Color

Yxy(51.6048, 0.3213, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	FF9BFA
RGB	255, 155, 250
RGB Percent	100%, 61%, 98%
CMY	0.0002, 0.3920, 0.0197
CMYK	0.00, 0.39, 0.02, 0.00
HSL	303°, 100%, 80%
HSV	303°, 39%, 100%
XYZ	70.1974, 51.6048, 96.6771
YIQ	195.7300, 29.1050, 50.7450

Conversions

Conversions Part 2

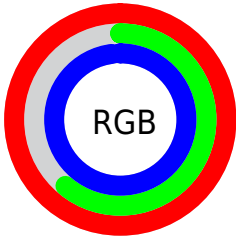
Format	Color
R _Y B	255, 155, 250
Decimal	16751610
CIE Lab	77.04, 50.91, -31.81
CIE LCh	77, 60.026, 328.001
Yxy	51.6048, 0.3213, 0.2362
Android (android.graphics.Color)	4294941690 (0xFFFF9BFA)
YUV	195.7300, 26.7551, 51.9798
Hunter-Lab	71.8365, 48.7133, -29.5066

Details

The Yxy color **51.6048, 0.3213, 0.2362** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.9970, 0.3046, 0.4436**, and the grayscale version is **54.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **25.0279, 0.3226, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **43.9160, 0.3237, 0.2148**, and if you desaturate by 10%, it is **61.0901, 0.3189, 0.2594**.

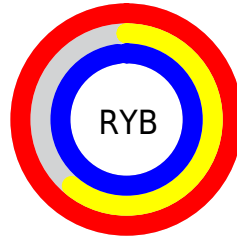
Distribution



Red (100%)

Green (61%)

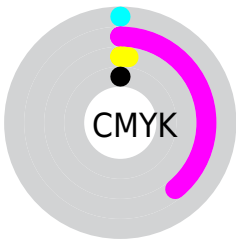
Blue (98%)



Red (100%)

Yellow (61%)

Blue (98%)

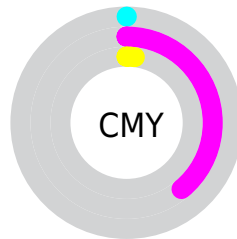


Cyan (0%)

Magenta (39%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6048, 0.3213, 0.2362 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 51.6048, 0.3213, 0.2362 by changing the saturation by 10% instead.

 51.6048, 0.3213,
0.2362

 51.6048, 0.3213,
0.2362


392.9090, 0.3186,
0.2779

 36.6902, 0.3216,
0.2271


 92.5481, 0.3206,
0.2504

 24.9677, 0.3218,
0.2160


 119.3456, 0.3203,
0.2560

 16.0530, 0.3219,
0.2023


150.8729, 0.3199,
0.2608

 9.5617, 0.3215,
0.1851

187.5143, 0.3196,
0.2651

 5.1093, 0.3203,
0.1628

229.6542, 0.3193,
0.2688

 2.3115, 0.3171,
0.1334

277.6770, 0.3191,

 0.7798, 0.3091,

0.2722

0.0935

331.9671, 0.3188,
0.2752

0.0000, 0.3003,
0.0000

0.0000, 0.0000,
0.0000

51.6048, 0.3213,
0.2362

51.6048, 0.3213,
0.2362

43.9160, 0.3237,
0.2148

61.0901, 0.3189,
0.2594

37.9032, 0.3261,
0.1961

72.4687, 0.3166,
0.2835

33.4420, 0.3284,
0.1811

85.8388, 0.3145,
0.3075

30.3876, 0.3305,
0.1703

99.9897, 0.3127,
0.3290

■ 28.5685, 0.3323,
0.1640

■ 27.7265, 0.3339,
0.1615

■ 27.6752, 0.3341,
0.1614

Harmonies

Analogous

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



51.6048, 0.2464, 0.2115



51.6048, 0.3213, 0.2362



51.6048, 0.4038, 0.2796

Triad

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



51.6048, 0.3213, 0.2362



51.6048, 0.4324, 0.4479



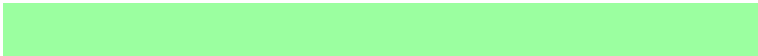
51.6048, 0.1832, 0.2949

Complementary

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



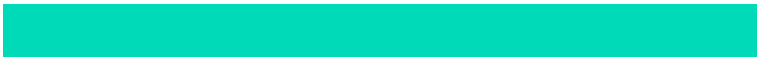
51.6048, 0.3213, 0.2362



80.9970, 0.3046, 0.4436

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.



51.6048, 0.2222, 0.3800



51.6048, 0.3213, 0.2362



51.6048, 0.3653, 0.4783

Square

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



51.6048, 0.3213, 0.2362



51.6048, 0.4702, 0.3935



51.6048, 0.2884, 0.4559



51.6048, 0.1753, 0.2364

Rectangle

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



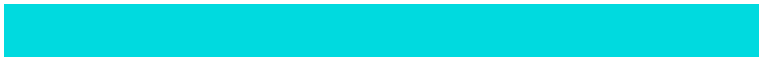
51.6048, 0.3213, 0.2362



51.6048, 0.4470, 0.3155



51.6048, 0.2884, 0.4559



51.6048, 0.1927, 0.3214

Sweetspot

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



51.6071, 0.3213, 0.2362



81.9088, 0.3151, 0.3008



37.9808, 0.2421, 0.2093



17.1492, 0.3154, 0.2976



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.



51.6071, 0.3213, 0.2362



45.4712, 0.3232, 0.2193



48.9553, 0.3647, 0.2809



18.2838, 0.3146, 0.3067



14.4747, 0.3338, 0.1613



1.4140, 0.3322, 0.1604

Inverse Universe

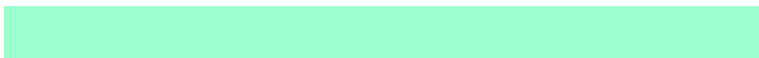
The Inverse Universe completely reimagines the original color for something new.



51.6071, 0.3213, 0.2362



45.4712, 0.3232, 0.2193



83.0283, 0.2804, 0.3836



18.2838, 0.3146, 0.3067



14.4747, 0.3338, 0.1613



1.4140, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 51.6048, 0.3213, 0.2362 looks on a white background.

Color Contrast Check

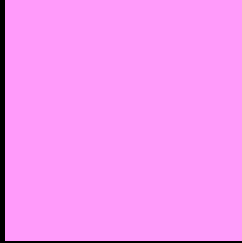
Large Text (above 18pt) WCAG AA × Fail

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 51.6048, 0.3213, 0.2362 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 51.6048, 0.3213, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 51.6048, 0.3213, 0.2362.



This preview shows how white text looks on a background with the Yxy color 51.6048, 0.3213, 0.2362.

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

51.6048, 0.3213, 0.2362

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

51.8961, 0.2687, 0.2623



Tritanopia

51.3462, 0.3721, 0.3151

Trichromacy



Original Color

51.6048, 0.3213, 0.2362



Protanomaly

50.6991, 0.2770, 0.2438



Deuteranomaly

50.7237, 0.2861, 0.2503



Tritanomaly

51.1956, 0.3527, 0.2839

Monochromacy



Original Color

51.6048, 0.3213, 0.2362



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

52.7573, 0.3154, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6048, 0.3213, 0.2362 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(255, 155, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 250)  
}
```

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(255, 155, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 250) }
```

Border

The CSS property to change the border of an element to Yxy 51.6048, 0.3213, 0.2362 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(255, 155, 250) }
```

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

```
.border{ border-color:rgb(255, 155, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6048, 0.3213, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 250) }
```

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

```
.background{ background-color: rgb(255,  
155, 250) }
```

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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