

Converting Colors

$Y_{xy}(66.7268, 0.3786, 0.2478)$

Have a look what the booklet for
Yxy(66.7268, 0.3786, 0.2478)
contains.

Yxy(50.1645, 0.3191, 0.2291)	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(50.1645, 0.3191, 0.2291)

Conversions

Conversions Part 1

Format	Color
Hex	FF96FD
RGB	255, 150, 253
RGB Percent	100%, 59%, 99%
CMY	0.0001, 0.4117, 0.0078
CMYK	0.00, 0.41, 0.01, 0.00
HSL	301°, 100%, 79%
HSV	301°, 41%, 100%
XYZ	69.8712, 50.1645, 98.9276
YIQ	193.1370, 29.5170, 54.2930

Conversions

Conversions Part 2

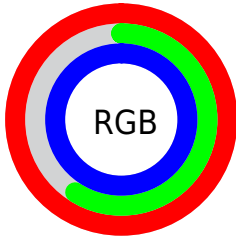
Format	Color
R _Y B	255, 150, 253
Decimal	16750333
CIE Lab	76.17, 53.97, -34.79
CIE LCh	76, 64.215, 327.191
Yxy	50.1645, 0.3191, 0.2291
Android (android.graphics.Color)	4294940413 (0xFFFF96FD)
YUV	193.1370, 29.5125, 54.2539
Hunter-Lab	70.8269, 52.1443, -33.2346

Details

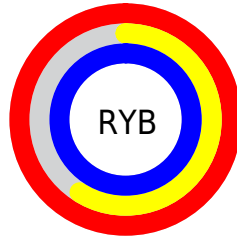
The Yxy color **50.1645, 0.3191, 0.2291** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.2629, 0.3058, 0.4544**, and the grayscale version is **53.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **24.0870, 0.3184, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **42.8636, 0.3206, 0.2077**, and if you desaturate by 10%, it is **59.2403, 0.3175, 0.2526**.

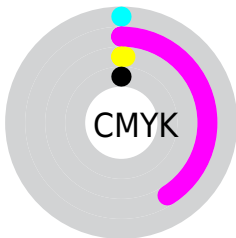
Distribution



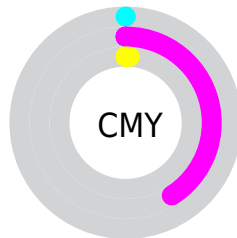
- Red (100%)
- Green (59%)
- Blue (99%)



- Red (100%)
- Yellow (59%)
- Blue (99%)



- Cyan (0%)
- Magenta (41%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1645, 0.3191, 0.2291 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 50.1645, 0.3191, 0.2291 by changing the saturation by 10% instead.


 50.1645, 0.3191,
0.2291


 50.1645, 0.3191,
0.2291

387.3089, 0.3177,
0.2738

 35.5441, 0.3191,
0.2194


 90.4186, 0.3189,
0.2442

 24.0823, 0.3188,
0.2076


 116.8210, 0.3187,
0.2502

 15.3947, 0.3183,
0.1931


147.9197, 0.3185,
0.2555

 9.0969, 0.3170,
0.1749

184.0988, 0.3184,
0.2600

 4.8044, 0.3145,
0.1517

225.7429, 0.3182,
0.2641

 2.1330, 0.3092,
0.1214

273.2364, 0.3180,

 0.6831, 0.2982,

0.2677

0.0801

326.9636, 0.3178,
0.2709

■ 0.0000, 0.2796,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1645, 0.3191,
0.2291

■ 50.1645, 0.3191,
0.2291

■ 42.8636, 0.3206,
0.2077

■ 59.2403, 0.3175,
0.2526

■ 37.2149, 0.3221,
0.1894

■ 70.1899, 0.3159,
0.2771

■ 33.0909, 0.3233,
0.1750

■ 83.1128, 0.3144,
0.3019

■ 30.3423, 0.3244,
0.1648

■ 98.0995, 0.3129,
0.3262

■ 28.7903, 0.3252,
0.1590

99.9971, 0.3127,
0.3290

■ 28.1695, 0.3258,
0.1568

Harmonies

Analogous

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



50.1645, 0.2396, 0.2036



50.1645, 0.3191, 0.2291



50.1645, 0.4087, 0.2744

Triad

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



50.1645, 0.3191, 0.2291



50.1645, 0.4415, 0.4537



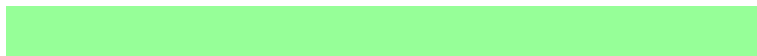
50.1645, 0.1751, 0.2935

Complementary

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



50.1645, 0.3191, 0.2291



80.2629, 0.3058, 0.4544

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.



50.1645, 0.2167, 0.3867



50.1645, 0.3191, 0.2291



50.1645, 0.3699, 0.4899

Square

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



50.1645, 0.3191, 0.2291



50.1645, 0.4821, 0.3943



50.1645, 0.2877, 0.4690



50.1645, 0.1664, 0.2304

Rectangle

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



50.1645, 0.3191, 0.2291



50.1645, 0.4561, 0.3119



50.1645, 0.2877, 0.4690



50.1645, 0.1853, 0.3224

Sweetspot

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



50.1667, 0.3191, 0.2291



81.9694, 0.3145, 0.2999



35.6896, 0.2367, 0.2018



17.1635, 0.3147, 0.2967



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.



50.1667, 0.3191, 0.2291



44.3073, 0.3203, 0.2121



47.2802, 0.3667, 0.2767



18.2941, 0.3141, 0.3060



14.7238, 0.3257, 0.1568



1.4354, 0.3251, 0.1565

Inverse Universe

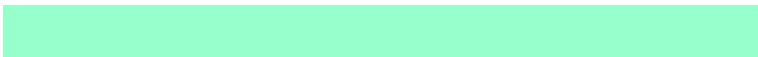
The Inverse Universe completely reimagines the original color for something new.



50.1667, 0.3191, 0.2291



44.3073, 0.3203, 0.2121



82.3675, 0.2800, 0.3891



18.2941, 0.3141, 0.3060



14.7238, 0.3257, 0.1568



1.4354, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 50.1645, 0.3191, 0.2291 looks on a white background.

Color Contrast Check

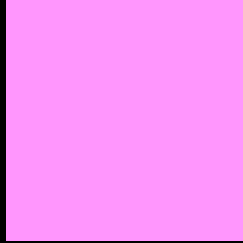
Large Text (above 18pt) WCAG AA × Fail

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 50.1645, 0.3191, 0.2291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

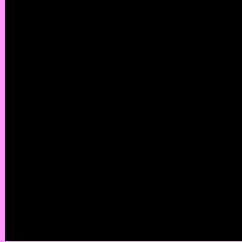
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1645, 0.3191, 0.2291

Background



This preview shows how black text looks on a background with the Yxy color 50.1645, 0.3191, 0.2291.



This preview shows how white text looks on a background with the Yxy color 50.1645, 0.3191, 0.2291.

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

50.1645, 0.3191, 0.2291

Protanopia

50.5533, 0.2530, 0.2481

Deuteranopia

50.5273, 0.2625, 0.2560



Tritanopia

50.1199, 0.3758, 0.3151

Trichromacy



Original Color

50.1645, 0.3191, 0.2291



Protanomaly

49.1850, 0.2739, 0.2389



Deuteranomaly

49.1820, 0.2809, 0.2434



Tritanomaly

49.7376, 0.3543, 0.2807

Monochromacy



Original Color

50.1645, 0.3191, 0.2291



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

50.9495, 0.3156, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1645, 0.3191, 0.2291 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, 150, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 253)  
}
```

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, 150, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 253) }
```

Border

The CSS property to change the border of an element to Yxy 50.1645, 0.3191, 0.2291 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, 150, 253) }
```

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

```
.border{ border-color:rgb(255, 150, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1645, 0.3191, 0.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 253) }
```

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

```
.background{ background-color: rgb(255,  
150, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor