

Converting Colors

Yxy(30.5344, 0.3358, 0.1755)

Have a look what the booklet for
Yxy(30.5344, 0.3358, 0.1755)
contains.

Yxy(30.5774, 0.3355, 0.1754)	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(30.5774, 0.3355, 0.1754)

Conversions

Conversions Part 1

Format	Color
Hex	FF3AF0
RGB	255, 58, 240
RGB Percent	100%, 23%, 94%
CMY	0.0000, 0.7727, 0.0588
CMYK	0.00, 0.77, 0.06, 0.00
HSL	305°, 100%, 61%
HSV	305°, 77%, 100%
XYZ	58.4876, 30.5774, 85.2646
YIQ	137.6510, 58.9900, 98.3660

Conversions

Conversions Part 2

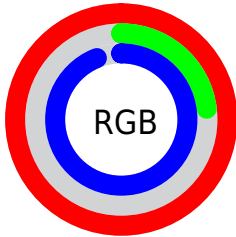
Format	Color
R _{YB}	255, 58, 240
Decimal	16726768
CIE _{Lab}	62.15, 88.43, -49.61
CIE _{LCh}	62, 101.396, 330.710
Y _{xy}	30.5774, 0.3355, 0.1754
Android (android.graphics.Color)	4294916848 (0xFFFF3AF0)
YUV	137.6510, 50.4581, 102.9151
Hunter-Lab	55.2968, 92.0303, -52.7140

Details

The Yxy color **30.5774, 0.3355, 0.1754** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.8992, 0.2979, 0.5611**, and the grayscale version is **25.0570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **14.8882, 0.3357, 0.1623** is the 20% darker color. If you saturate the color by 10%, you get **28.4957, 0.3383, 0.1685**, and if you desaturate by 10%, it is **33.9265, 0.3325, 0.1868**.

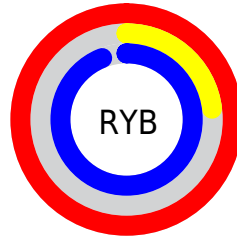
Distribution



Red (100%)

Green (23%)

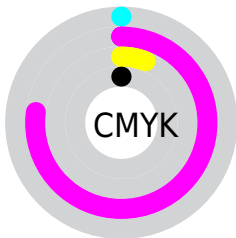
Blue (94%)



Red (100%)

Yellow (23%)

Blue (94%)

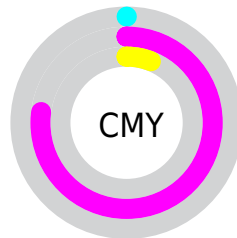


Cyan (0%)

Magenta (77%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (77%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5774, 0.3355, 0.1754 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 30.5774, 0.3355, 0.1754 by changing the saturation by 10% instead.

 30.5774, 0.3355,
0.1754


 30.5774, 0.3355,
0.1754


304.5867, 0.3281,
0.2444


 20.2773, 0.3363,
0.1606


 60.5741, 0.3337,
0.1986


 12.5967, 0.3367,
0.1431


 81.0395, 0.3327,
0.2079


 7.1515, 0.3363,
0.1220


 105.6620, 0.3319,
0.2160

 3.5570, 0.3345,
0.0968

 134.8262, 0.3310,
0.2231

 1.4290, 0.3293,
0.0671

 168.9163, 0.3302,
0.2293

 0.2379, 0.3211,
0.0217

208.3169, 0.3295,

 0.0000, 0.2901,

0.2349

0.0000

253.4122, 0.3288,
0.2399

■ 0.0000, 0.1709,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.5774, 0.3355,
0.1754

■ 30.5774, 0.3355,
0.1754

■ 28.4957, 0.3383,
0.1685

■ 33.9265, 0.3325,
0.1868


■ 27.4750, 0.3408,
0.1658


■ 38.7159, 0.3293,
0.2023


■ 27.2928, 0.3414,
0.1654

■ 45.0839, 0.3260,
0.2212

■ 53.1544, 0.3229,
0.2427

 63.0390, 0.3198,
0.2656

 74.8399, 0.3170,
0.2892

 88.6517, 0.3144,
0.3125

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.



30.5774, 0.1993, 0.1365



30.5774, 0.3355, 0.1754



30.5774, 0.5041, 0.2409

Triad

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



30.5774, 0.3355, 0.1754



30.5774, 0.4812, 0.5120



30.5774, 0.0905, 0.2339

Complementary

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



30.5774, 0.3355, 0.1754



72.8992, 0.2979, 0.5611

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.



30.5774, 0.1328, 0.4091



30.5774, 0.3355, 0.1754



30.5774, 0.3547, 0.6158

Square

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



30.5774, 0.3355, 0.1754



30.5774, 0.5789, 0.4033



30.5774, 0.2302, 0.6039



30.5774, 0.0902, 0.1530

Rectangle

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



30.5774, 0.3355, 0.1754



30.5774, 0.5831, 0.2915



30.5774, 0.2302, 0.6039



30.5774, 0.0989, 0.2807

Sweetspot

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



30.5750, 0.3355, 0.1754



67.8339, 0.3186, 0.2757



11.5867, 0.1713, 0.0895



13.6454, 0.3196, 0.2672



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.



30.5750, 0.3355, 0.1754



27.7997, 0.3397, 0.1665



26.2769, 0.4648, 0.2559



18.2751, 0.3150, 0.3073



14.2712, 0.3410, 0.1652



1.3964, 0.3385, 0.1638

Inverse Universe

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



30.5750, 0.3355, 0.1754



27.7997, 0.3397, 0.1665



75.3066, 0.2630, 0.4428



18.2751, 0.3150, 0.3073



14.2712, 0.3410, 0.1652



1.3964, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 30.5774, 0.3355, 0.1754 looks on a white background.

Color Contrast Check

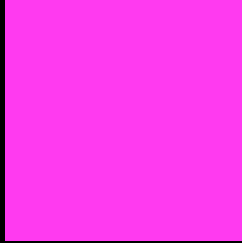
Large Text (above 18pt) WCAG AA × Fail

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 30.5774, 0.3355, 0.1754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

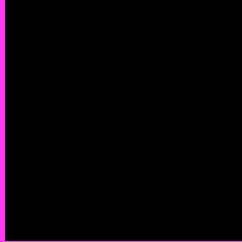
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5774, 0.3355, 0.1754

Background



This preview shows how black text looks on a background with the Yxy color 30.5774, 0.3355, 0.1754.



This preview shows how white text looks on a background with the Yxy color 30.5774, 0.3355, 0.1754.

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

30.5774, 0.3355, 0.1754

Protanopia

30.9122, 0.2075, 0.1889

Deuteranopia

30.9362, 0.2271, 0.2216



Tritanopia

30.3776, 0.4748, 0.3223

Trichromacy



Original Color

30.5774, 0.3355, 0.1754



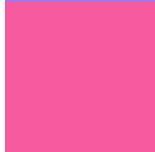
Protanomaly

26.4327, 0.2380, 0.1678



Deuteranomaly

26.5481, 0.2557, 0.1863



Tritanomaly

29.4221, 0.4244, 0.2591

Monochromacy



Original Color

30.5774, 0.3355, 0.1754



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.8562, 0.3240, 0.2396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5774, 0.3355, 0.1754 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, 58, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 58, 240)  
}
```

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, 58, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 240) }
```

Border

The CSS property to change the border of an element to Yxy 30.5774, 0.3355, 0.1754 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, 58, 240) }
```

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

```
.border{ border-color:rgb(255, 58, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 58, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5774, 0.3355, 0.1754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 240) }
```

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

```
.background{ background-color: rgb(255, 58,  
240) }
```

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