

Converting Colors

Yxy(31.6039, 0.3204, 0.1664)

Have a look what the booklet for
Yxy(31.6039, 0.3204, 0.1664)
contains.

Yxy(31.6079, 0.3203, 0.1664)	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(31.6079, 0.3203, 0.1664)

Conversions

Conversions Part 1

Format	Color
Hex	FF3BFF
RGB	255, 59, 255
RGB Percent	100%, 23%, 100%
CMY	0.0002, 0.7683, 0.0000
CMYK	0.00, 0.77, 0.00, 0.00
HSL	300°, 100%, 62%
HSV	300°, 77%, 100%
XYZ	60.8414, 31.6079, 97.5020
YIQ	139.9480, 53.9000, 102.5080

Conversions

Conversions Part 2

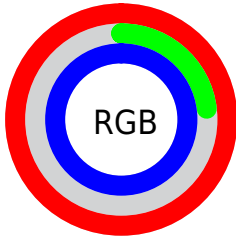
Format	Color
R _Y B	255, 59, 255
Decimal	16727039
CIE Lab	63.02, 90.32, -56.54
CIE LCh	63, 106.557, 327.955
Yxy	31.6079, 0.3203, 0.1664
Android (android.graphics.Color)	4294917119 (0xFFFF3BFF)
YUV	139.9480, 56.7206, 100.9006
Hunter-Lab	56.2209, 94.7834, -63.4700

Details

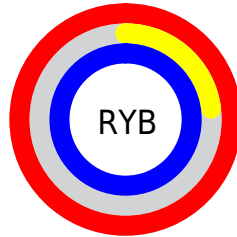
The Yxy color **31.6079, 0.3203, 0.1664** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.7708, 0.3013, 0.5716**, and the grayscale version is **25.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6587, 0.3184, 0.2079**, and **15.5006, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **29.5916, 0.3207, 0.1586**, and if you desaturate by 10%, it is **34.9061, 0.3197, 0.1786**.

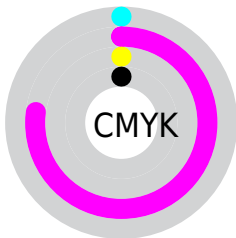
Distribution



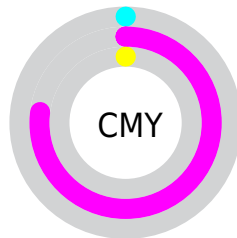
- Red (100%)
- Green (23%)
- Blue (100%)



- Red (100%)
- Yellow (23%)
- Blue (100%)



- Cyan (0%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6079, 0.3203, 0.1664 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 31.6079, 0.3203, 0.1664 by changing the saturation by 10% instead.


 31.6079, 0.3203,
0.1664


 31.6079, 0.3203,
0.1664

309.3292, 0.3211,
0.2379


 21.0622, 0.3190,
0.1515


 62.1959, 0.3215,
0.1902

 13.1695, 0.3168,
0.1340


 83.0070, 0.3217,
0.1997


 7.5453, 0.3132,
0.1133


 108.0086, 0.3217,
0.2081

 3.8054, 0.3071,
0.0890

 137.5852, 0.3217,
0.2155

 1.5653, 0.2964,
0.0611

 172.1212, 0.3216,
0.2220

 0.3341, 0.2793,
0.0240

212.0009, 0.3214,

 0.0000, 0.2433,

0.2279

0.0000

257.6088, 0.3213,
0.2332

■ 0.0000, 0.1569,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6079, 0.3203,
0.1664

■ 31.6079, 0.3203,
0.1664

■ 29.5916, 0.3207,
0.1586

■ 34.9061, 0.3197,
0.1786

■ 28.6451, 0.3208,
0.1548

■ 39.6462, 0.3190,
0.1950

■ 28.4691, 0.3209,
0.1541

■ 45.9694, 0.3180,
0.2149

■ 53.9990, 0.3170,
0.2376

 63.8462, 0.3158,
0.2620

 75.6127, 0.3147,
0.2872

 89.3928, 0.3135,
0.3123

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.



31.6079, 0.1862, 0.1299



31.6079, 0.3203, 0.1664



31.6079, 0.4962, 0.2308

Triad

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



31.6079, 0.3203, 0.1664



31.6079, 0.4944, 0.5032



31.6079, 0.0870, 0.2416

Complementary

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



31.6079, 0.3203, 0.1664



72.7708, 0.3013, 0.5716

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.



31.6079, 0.1337, 0.4331



31.6079, 0.3203, 0.1664



31.6079, 0.3640, 0.6162

Square

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



31.6079, 0.3203, 0.1664



31.6079, 0.5912, 0.3924



31.6079, 0.2364, 0.6269



31.6079, 0.0841, 0.1525

Rectangle

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



31.6079, 0.3203, 0.1664



31.6079, 0.5846, 0.2815



31.6079, 0.2364, 0.6269



31.6079, 0.0966, 0.2932

Sweetspot

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



31.6093, 0.3203, 0.1664



68.1154, 0.3154, 0.2716



11.6373, 0.1675, 0.0902



13.7150, 0.3158, 0.2625



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.



31.6093, 0.3203, 0.1664



28.9845, 0.3208, 0.1562



26.9467, 0.4386, 0.2403



18.3002, 0.3138, 0.3056



14.8758, 0.3209, 0.1541



1.4485, 0.3209, 0.1541

Inverse Universe

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



24.7149, 0.5818, 0.3298



21.8267, 0.6292, 0.3299



74.7786, 0.2698, 0.4651



17.9872, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 31.6079, 0.3203, 0.1664 looks on a white background.

Color Contrast Check

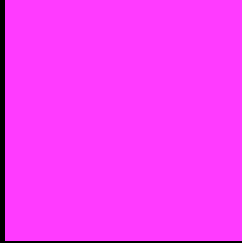
Large Text (above 18pt) WCAG AA × Fail

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 31.6079, 0.3203, 0.1664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

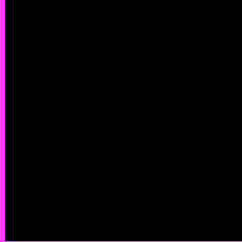
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6079, 0.3203, 0.1664

Background



This preview shows how black text looks on a background with the Yxy color 31.6079, 0.3203, 0.1664.



This preview shows how white text looks on a background with the Yxy color 31.6079, 0.3203, 0.1664.

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

31.6079, 0.3203, 0.1664

Protanopia

31.7791, 0.2100, 0.1921

Deuteranopia

32.0169, 0.2154, 0.2099



Tritanopia

31.2261, 0.4620, 0.3210

Trichromacy



Original Color

31.6079, 0.3203, 0.1664



Protanomaly

27.1844, 0.2368, 0.1660



Deuteranomaly

27.1166, 0.2410, 0.1751

Tritanomaly

29.8939, 0.4090, 0.2518

Monochromacy



Original Color

31.6079, 0.3203, 0.1664



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.6914, 0.3172, 0.2343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6079, 0.3203, 0.1664 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, 59, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 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(255, 59, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.6079, 0.3203, 0.1664 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, 59, 255) }
```

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

```
.border{ border-color:rgb(255, 59, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 59, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6079, 0.3203, 0.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 255) }
```

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

```
.background{ background-color: rgb(255, 59,  
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](#).

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