

Converting Colors

$Y_{xy}(11.3780, 0.3207, 0.1580)$

Have a look what the booklet for
Yxy(11.3780, 0.3207, 0.1580)
contains.

Yxy(11.3761, 0.3207, 0.1580)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.3761, 0.3207, 0.1580)

Conversions

Conversions Part 1

Format	Color
Hex	A710A7
RGB	167, 16, 167
RGB Percent	65%, 6%, 65%
CMY	0.3452, 0.9367, 0.3451
CMYK	0.00, 0.90, 0.00, 0.35
HSL	300°, 82%, 36%
HSV	300°, 90%, 65%
XYZ	23.0906, 11.3761, 37.5339
YIQ	78.3630, 41.5250, 78.9730

Conversions

Conversions Part 2

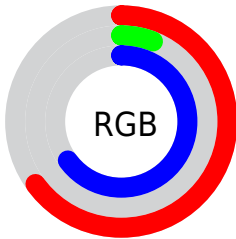
Format	Color
R_{YB}	167, 16, 167
Decimal	10948775
CIE _{Lab}	40.21, 69.72, -43.33
CIE _{LCh}	40, 82.081, 328.141
Yxy	11.3761, 0.3207, 0.1580
Android (android.graphics.Color)	4289138855 (0xFFA710A7)
YUV	78.3630, 43.6980, 77.7346
Hunter-Lab	33.7285, 63.1767, -42.3695

Details

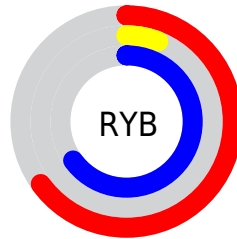
The Yxy color **11.3761, 0.3207, 0.1580** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **27.7841, 0.3004, 0.5908**, and the grayscale version is **7.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4759, 0.3224, 0.1906**, and **4.5299, 0.3125, 0.1495** is the 20% darker color. If you saturate the color by 10%, you get **11.0012, 0.3209, 0.1541**, and if you desaturate by 10%, it is **12.0813, 0.3204, 0.1651**.

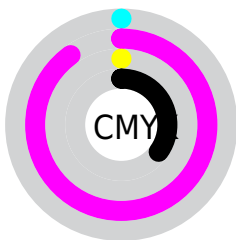
Distribution



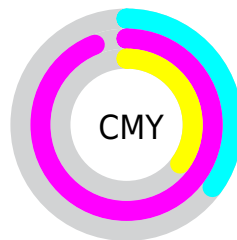
- Red (65%)
- Green (6%)
- Blue (65%)



- Red (65%)
- Yellow (6%)
- Blue (65%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (35%)





- Cyan (35%)
- Magenta (94%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3761, 0.3207, 0.1580 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 11.3761, 0.3207, 0.1580 by changing the saturation by 10% instead.


 11.3761, 0.3207,
0.1580


 11.3761, 0.3207,
0.1580


 200.2300, 0.3212,
0.2466


 6.3204, 0.3184,
0.1361


 28.3536, 0.3223,
0.1904


 3.0409, 0.3138,
0.1090


 41.0441, 0.3224,
0.2025


 1.1531, 0.3044,
0.0757

 57.0484, 0.3224,
0.2128

 0.0229, 0.2946,
0.0033

 76.7509, 0.3222,
0.2216

 0.0000, 0.2383,
0.0000

 100.5359, 0.3220,
0.2291

 0.0000, 0.0000,
0.0000

 128.7878, 0.3217,

0.2357

161.8910, 0.3214,
0.2415

■ 11.3761, 0.3207,
0.1580

■ 11.3761, 0.3207,
0.1580

■ 11.0012, 0.3209,
0.1541

■ 12.0813, 0.3204,
0.1651

■ 13.2451, 0.3199,
0.1763

■ 14.9281, 0.3191,
0.1916

■ 17.1814, 0.3183,
0.2104

■ 20.0500, 0.3173,
0.2319

■ 23.5743, 0.3162,
0.2553

■ 27.7914, 0.3150,
0.2797

■ 32.7355, 0.3139,
0.3042

■ 38.4386, 0.3128,
0.3282

Harmonies

Analogous

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



11.3761, 0.1789, 0.1207



11.3761, 0.3207, 0.1580



11.3761, 0.5111, 0.2242

Triad

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



11.3761, 0.3207, 0.1580



11.3761, 0.4955, 0.5045



11.3761, 0.0760, 0.2319

Complementary

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



11.3761, 0.3207, 0.1580



27.7841, 0.3004, 0.5908

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.



11.3761, 0.1208, 0.4393



11.3761, 0.3207, 0.1580



11.3761, 0.3605, 0.6395

Square

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



11.3761, 0.3207, 0.1580



11.3761, 0.6089, 0.3911



11.3761, 0.2248, 0.6547



11.3761, 0.0745, 0.1416

Rectangle

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



11.3761, 0.3207, 0.1580



11.3761, 0.6048, 0.2755



11.3761, 0.2248, 0.6547



11.3761, 0.0848, 0.2862

Sweetspot

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



11.3766, 0.3207, 0.1580



44.2401, 0.3158, 0.2622



3.3557, 0.1559, 0.0705



9.3833, 0.3162, 0.2543



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.3766, 0.3207, 0.1580



19.7045, 0.3209, 0.1541



9.3994, 0.4651, 0.2409



7.6666, 0.3138, 0.3067



8.4192, 0.3209, 0.1541



0.2049, 0.3209, 0.1541

Inverse Universe

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



8.6276, 0.6201, 0.3299



14.7135, 0.6401, 0.3300



28.4682, 0.2711, 0.4872



7.5423, 0.3286, 0.3290



6.2866, 0.6401, 0.3300



0.1530, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 11.3761, 0.3207, 0.1580 looks on a white background.

Color Contrast Check

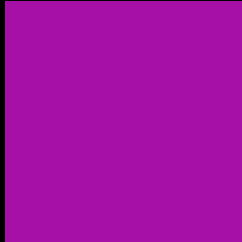
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.3761, 0.3207, 0.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

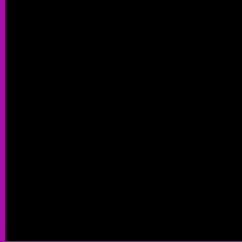
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3761, 0.3207, 0.1580

Background



This preview shows how black text looks on a background with the Yxy color 11.3761, 0.3207, 0.1580.



This preview shows how white text looks on a background with the Yxy color 11.3761, 0.3207, 0.1580.

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

11.3761, 0.3207, 0.1580

Protanopia

11.8599, 0.1744, 0.1478

Deuteranopia

11.9135, 0.2111, 0.2067



Tritanopia

11.6373, 0.4736, 0.3233

Trichromacy



Original Color

11.3761, 0.3207, 0.1580



Protanomaly

8.3179, 0.1854, 0.1216



Deuteranomaly

9.3041, 0.2348, 0.1614



Tritanomaly

10.8143, 0.4185, 0.2460

Monochromacy



Original Color

11.3761, 0.3207, 0.1580



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.2691, 0.3180, 0.2169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3761, 0.3207, 0.1580 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(167, 16, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 16, 167)  
}
```

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(167, 16, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 16, 167) }
```

Border

The CSS property to change the border of an element to Yxy 11.3761, 0.3207, 0.1580 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(167, 16, 167) }
```

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

```
.border{ border-color:rgb(167, 16, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 16, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 16, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 16, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 16,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3761, 0.3207, 0.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 16, 167) }
```

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

```
.background{ background-color: rgb(167, 16,  
167) }
```

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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