

Converting Colors

Yxy(23.5438, 0.3214, 0.1544)

Have a look what the booklet for
Yxy(23.5438, 0.3214, 0.1544)
contains.

Yxy(23.6027, 0.3220, 0.1547)	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(23.6027, 0.3220, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	EB00EA
RGB	235, 0, 234
RGB Percent	92%, 0%, 92%
CMY	0.0783, 1.0000, 0.0822
CMYK	0.00, 1.00, 0.00, 0.08
HSL	300°, 100%, 46%
HSV	300°, 100%, 92%
XYZ	49.1278, 23.6027, 79.8403
YIQ	96.9410, 64.9460, 122.5940

Conversions

Conversions Part 2

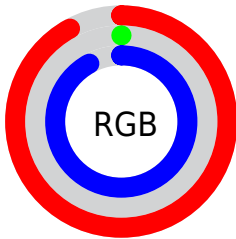
Format	Color
R_{YB}	235, 0, 234
Decimal	15401194
CIE _{Lab}	55.69, 92.27, -56.75
CIE _{LCh}	56, 108.323, 328.406
Yxy	23.6027, 0.3220, 0.1547
Android (android.graphics.Color)	4293591274 (0xFFEB00EA)
YUV	96.9410, 67.5701, 121.0777
Hunter-Lab	48.5826, 95.4835, -63.4289

Details

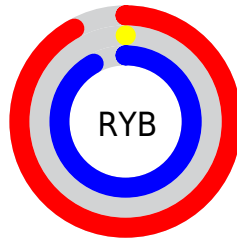
The Yxy color **23.6027, 0.3220, 0.1547** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **59.4447, 0.2999, 0.5998**, and the grayscale version is **11.7631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.1730, 0.3167, 0.1518** is the 20% darker color. If you saturate the color by 10%, you get **23.6128, 0.3220, 0.1547**, and if you desaturate by 10%, it is **24.2516, 0.3217, 0.1577**.

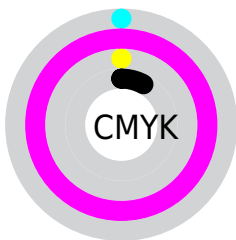
Distribution



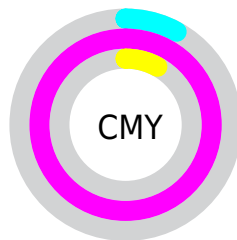
- Red (92%)
- Green (0%)
- Blue (92%)



- Red (92%)
- Yellow (0%)
- Blue (92%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6027, 0.3220, 0.1547 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 23.6027, 0.3220, 0.1547 by changing the saturation by 10% instead.


 23.6027, 0.3220,
0.1547


 23.6027, 0.3220,
0.1547


270.8057, 0.3226,
0.2337


 15.0392, 0.3204,
0.1379


 49.3811, 0.3233,
0.1813

 8.8469, 0.3176,
0.1182


 67.3647, 0.3235,
0.1919

 4.6414, 0.3128,
0.0949


 89.2572, 0.3235,
0.2011

 2.0385, 0.3042,
0.0680

 115.4429, 0.3234,
0.2093

 0.6297, 0.2890,
0.0373

 146.3062, 0.3233,
0.2165

 0.0000, 0.2628,
0.0000


182.2315, 0.3231,

 0.0000, 0.2053,

0.2229

0.0000


223.6032, 0.3228,
0.2286


 0.0000, 0.0000,
0.0000


 23.6027, 0.3220,
0.1547


 23.6027, 0.3220,
0.1547


 23.6128, 0.3220,
0.1547

 24.2516, 0.3217,
0.1577

 25.6581, 0.3213,
0.1643

 28.0750, 0.3207,
0.1752

 31.6445, 0.3198,
0.1903

 36.4864, 0.3188,
0.2091

■ 42.7052, 0.3177,
0.2309

■ 50.3948, 0.3165,
0.2547

■ 59.6409, 0.3152,
0.2796

■ 70.5224, 0.3139,
0.3046

Harmonies

Analogous

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



23.6027, 0.1764, 0.1169



23.6027, 0.3220, 0.1547



23.6027, 0.5189, 0.2217

Triad

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



23.6027, 0.3220, 0.1547



23.6027, 0.4946, 0.5054



23.6027, 0.0713, 0.2267

Complementary

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



23.6027, 0.3220, 0.1547



59.4447, 0.2999, 0.5998

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.



23.6027, 0.1147, 0.4402



23.6027, 0.3220, 0.1547



23.6027, 0.3543, 0.6443

Square

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



23.6027, 0.3220, 0.1547



23.6027, 0.6092, 0.3865



23.6027, 0.2186, 0.6666



23.6027, 0.0707, 0.1367

Rectangle

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



23.6027, 0.3220, 0.1547



23.6027, 0.6144, 0.2731



23.6027, 0.2186, 0.6666



23.6027, 0.0796, 0.2818

Sweetspot

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



23.6128, 0.3220, 0.1547



60.4991, 0.3165, 0.2544



6.0008, 0.1500, 0.0600



12.0652, 0.3170, 0.2442



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.



23.6128, 0.3220, 0.1547



28.4102, 0.3220, 0.1548



18.9665, 0.4992, 0.2524



15.3126, 0.3139, 0.3059



13.1364, 0.3220, 0.1547



1.0319, 0.3218, 0.1547

Inverse Universe

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



23.6128, 0.3220, 0.1547



28.4102, 0.3220, 0.1548



60.7392, 0.2731, 0.5033



15.3126, 0.3139, 0.3059



13.1364, 0.3220, 0.1547



1.0319, 0.3218, 0.1547

Previews

White Background



This preview shows how the Yxy color 23.6027, 0.3220, 0.1547 looks on a white background.

Color Contrast Check

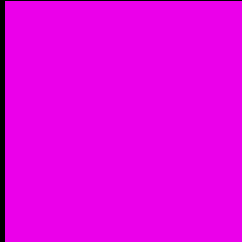
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.6027, 0.3220, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

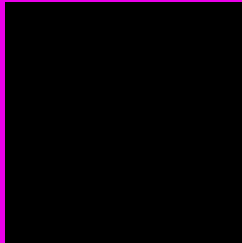
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6027, 0.3220, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 23.6027, 0.3220, 0.1547.



This preview shows how white text looks on a background with the Yxy color 23.6027, 0.3220, 0.1547.

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

23.6027, 0.3220, 0.1547

Protanopia

24.5426, 0.1877, 0.1629

Deuteranopia

24.2891, 0.2081, 0.2017



Tritanopia

23.7518, 0.4832, 0.3229

Trichromacy



Original Color

23.6027, 0.3220, 0.1547



Protanomaly

17.3375, 0.2100, 0.1278



Deuteranomaly

17.4951, 0.2321, 0.1482



Tritanomaly

21.2421, 0.4264, 0.2391

Monochromacy



Original Color

23.6027, 0.3220, 0.1547



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.7549, 0.3189, 0.1971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6027, 0.3220, 0.1547 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(235, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 234)  
}
```

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(235, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 234) }
```

Border

The CSS property to change the border of an element to Yxy 23.6027, 0.3220, 0.1547 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(235, 0, 234) }
```

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

```
.border{ border-color:rgb(235, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6027, 0.3220, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 234) }
```

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

```
.background{ background-color: rgb(235, 0,  
234) }
```

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