

Converting Colors

$Y_{xy}(24.5599, 0.3207, 0.1589)$

Have a look what the booklet for
Yxy(24.5599, 0.3207, 0.1589)
contains.

Yxy(24.6403, 0.3207, 0.1588)	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(24.6403, 0.3207, 0.1588)

Conversions

Conversions Part 1

Format	Color
Hex	EB1FEB
RGB	235, 31, 235
RGB Percent	92%, 12%, 92%
CMY	0.0783, 0.8791, 0.0783
CMYK	0.00, 0.87, 0.00, 0.08
HSL	300°, 84%, 52%
HSV	300°, 87%, 92%
XYZ	49.7616, 24.6403, 80.7637
YIQ	115.2520, 56.1000, 106.6920

Conversions

Conversions Part 2

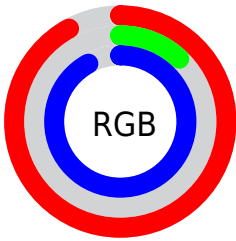
Format	Color
R _Y B	235, 31, 235
Decimal	15409131
CIE Lab	56.72, 89.52, -55.66
CIE LCh	57, 105.414, 328.130
Yxy	24.6403, 0.3207, 0.1588
Android (android.graphics.Color)	4293599211 (0xFFEB1FEB)
YUV	115.2520, 59.0358, 105.0190
Hunter-Lab	49.6390, 92.0727, -61.7188

Details

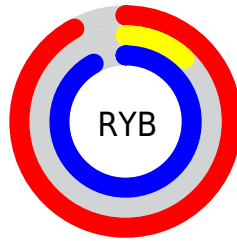
The Yxy color **24.6403, 0.3207, 0.1588** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **59.8287, 0.3005, 0.5890**, and the grayscale version is **17.0036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **12.2130, 0.3153, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **23.8293, 0.3209, 0.1549**, and if you desaturate by 10%, it is **26.3400, 0.3203, 0.1667**.

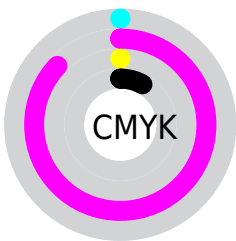
Distribution



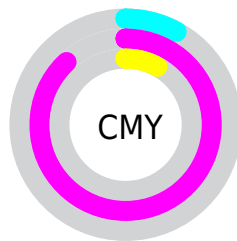
- Red (92%)
- Green (12%)
- Blue (92%)



- Red (92%)
- Yellow (12%)
- Blue (92%)



- Cyan (0%)
- Magenta (87%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (88%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6403, 0.3207, 0.1588 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 24.6403, 0.3207, 0.1588 by changing the saturation by 10% instead.


 24.6403, 0.3207,
0.1588


 24.6403, 0.3207,
0.1588


276.0418, 0.3217,
0.2360


 15.8093, 0.3191,
0.1423


 51.0731, 0.3221,
0.1848


 9.3893, 0.3163,
0.1229


 69.4436, 0.3223,
0.1952


 4.9960, 0.3116,
0.0999


 91.7628, 0.3224,
0.2042

 2.2449, 0.3033,
0.0731

 118.4150, 0.3224,
0.2122

 0.7443, 0.2885,
0.0429

 149.7846, 0.3222,
0.2192

 0.0000, 0.2646,
0.0000

186.2560, 0.3221,

 0.0000, 0.2085,

0.2254

0.0000

228.2136, 0.3219,
0.2310

■ 0.0000, 0.0000,
0.0000

■ 24.6403, 0.3207,
0.1588

■ 24.6403, 0.3207,
0.1588

■ 23.8293, 0.3209,
0.1549

■ 26.3400, 0.3203,
0.1667

■ 23.6702, 0.3209,
0.1542

■ 29.0964, 0.3198,
0.1790

■ 33.0448, 0.3190,
0.1953

■ 38.2994, 0.3181,
0.2152

■ 44.9613, 0.3170,
0.2378

■ 53.1214, 0.3159,
0.2622

■ 62.8632, 0.3147,
0.2872

■ 74.2640, 0.3135,
0.3122

■ 87.3959, 0.3124,
0.3364

Harmonies

Analogous

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



24.6403, 0.1796, 0.1215



24.6403, 0.3207, 0.1588



24.6403, 0.5097, 0.2248

Triad

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



24.6403, 0.3207, 0.1588



24.6403, 0.4955, 0.5045



24.6403, 0.0770, 0.2328

Complementary

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



24.6403, 0.3207, 0.1588



59.8287, 0.3005, 0.5890

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.



24.6403, 0.1220, 0.4386



24.6403, 0.3207, 0.1588



24.6403, 0.3584, 0.6329

Square

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



24.6403, 0.3207, 0.1588



24.6403, 0.6026, 0.3883



24.6403, 0.2259, 0.6520



24.6403, 0.0754, 0.1426

Rectangle

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



24.6403, 0.3207, 0.1588



24.6403, 0.6029, 0.2761



24.6403, 0.2259, 0.6520



24.6403, 0.0859, 0.2869

Sweetspot

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



24.6414, 0.3207, 0.1588



64.7462, 0.3158, 0.2641



7.4470, 0.1570, 0.0724



13.0712, 0.3162, 0.2554



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.



24.6414, 0.3207, 0.1588



28.4798, 0.3209, 0.1542



20.4282, 0.4618, 0.2405



15.3138, 0.3138, 0.3058



13.1680, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Inverse Universe

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



18.7389, 0.6163, 0.3299



21.2600, 0.6401, 0.3300



61.3299, 0.2708, 0.4845



15.0541, 0.3293, 0.3291



9.8298, 0.6401, 0.3300



0.7719, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 24.6403, 0.3207, 0.1588 looks on a white background.

Color Contrast Check

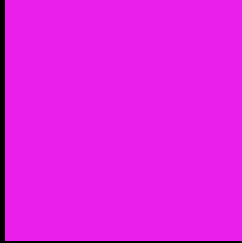
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6403, 0.3207, 0.1588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

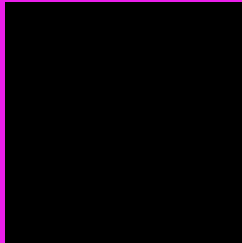
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6403, 0.3207, 0.1588

Background



This preview shows how black text looks on a background with the Yxy color 24.6403, 0.3207, 0.1588.



This preview shows how white text looks on a background with the Yxy color 24.6403, 0.3207, 0.1588.

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

24.6403, 0.3207, 0.1588

Protanopia

25.2603, 0.1899, 0.1661

Deuteranopia

25.0431, 0.2099, 0.2042



Tritanopia

24.3594, 0.4754, 0.3216

Trichromacy



Original Color

24.6403, 0.3207, 0.1588



Protanomaly

19.8102, 0.2140, 0.1405



Deuteranomaly

19.8018, 0.2351, 0.1610



Tritanomaly

22.8443, 0.4183, 0.2458

Monochromacy



Original Color

24.6403, 0.3207, 0.1588



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.2148, 0.3180, 0.2173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6403, 0.3207, 0.1588 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, 31, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 31, 235)  
}
```

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, 31, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 31, 235) }
```

Border

The CSS property to change the border of an element to Yxy 24.6403, 0.3207, 0.1588 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, 31, 235) }
```

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

```
.border{ border-color:rgb(235, 31, 235) }
```

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

Here you see how a box with a 4 pixel rgb(235, 31, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 31, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 31, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 31,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6403, 0.3207, 0.1588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 31, 235) }
```

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

```
.background{ background-color: rgb(235, 31,  
235) }
```

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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