

Converting Colors

$Y_{xy}(20.1536, 0.4567, 0.2289)$

Have a look what the booklet for
Yxy(20.1536, 0.4567, 0.2289)
contains.

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Color

Yxy(20.1603, 0.4563, 0.2287)

Conversions

Conversions Part 1

Format	Color
Hex	EE008F
RGB	238, 0, 143
RGB Percent	93%, 0%, 56%
CMY	0.0666, 1.0000, 0.4391
CMYK	0.00, 1.00, 0.40, 0.07
HSL	324°, 100%, 47%
HSV	324°, 100%, 93%
XYZ	40.2236, 20.1603, 27.7678
YIQ	87.4640, 95.9450, 94.9290

Conversions

Conversions Part 2

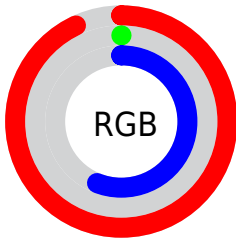
Format	Color
R_{YB}	238, 0, 143
Decimal	15597711
CIE _{Lab}	52.02, 82.21, -9.56
CIE _{LCh}	52, 82.764, 353.368
Yxy	20.1603, 0.4563, 0.2287
Android (android.graphics.Color)	4293787791 (0xFFEE008F)
YUV	87.4640, 27.3792, 132.0201
Hunter-Lab	44.9002, 81.3329, -5.2368

Details

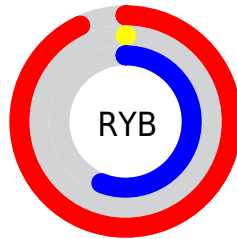
The Yxy color **20.1603, 0.4563, 0.2287** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **61.9852, 0.2822, 0.5357**, and the grayscale version is **9.5620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8406, 0.3811, 0.2320**, and **10.0204, 0.4832, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **20.1641, 0.4563, 0.2287**, and if you desaturate by 10%, it is **21.1095, 0.4382, 0.2240**.

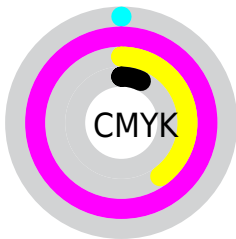
Distribution



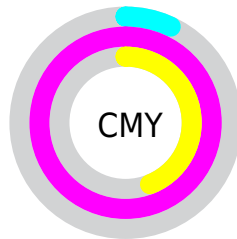
- Red (93%)
- Green (0%)
- Blue (56%)



- Red (93%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1603, 0.4563, 0.2287 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 20.1603, 0.4563, 0.2287 by changing the saturation by 10% instead.


 20.1603, 0.4563,
0.2287


 20.1603, 0.4563,
0.2287


252.7816, 0.3774,
0.2821


 12.5116, 0.4783,
0.2145


 43.6858, 0.4259,
0.2488


 7.0931, 0.5080,
0.1959


 60.3314, 0.4150,
0.2561

 3.5204, 0.5496,
0.1707

 80.7447, 0.4060,
0.2622

 1.4091, 0.6111,
0.1354

 105.3102, 0.3984,
0.2674

 0.2234, 0.7325,
0.0527

 134.4122, 0.3920,
0.2719

 0.0000, 1.0000,
0.0000

 168.4352, 0.3864,

 0.0000, 0.0000,

0.2757

0.0000

207.7635, 0.3816,
0.2791

■ 20.1603, 0.4563,
0.2287

■ 20.1603, 0.4563,
0.2287

■ 20.1641, 0.4563,
0.2287

■ 21.1095, 0.4382,
0.2240

■ 22.8712, 0.4197,
0.2241

■ 25.6986, 0.4012,
0.2294

■ 29.7390, 0.3836,
0.2390

■ 35.1164, 0.3673,
0.2519

■ 41.9392, 0.3529,
0.2667

■ 50.3048, 0.3402,
0.2825

■ 60.3020, 0.3295,
0.2985

■ 72.0127, 0.3203,
0.3141

Harmonies

Analogous

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



20.1603, 0.2983, 0.1701



20.1603, 0.4563, 0.2287



20.1603, 0.5743, 0.3027

Triad

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



20.1603, 0.4563, 0.2287



20.1603, 0.3885, 0.5837



20.1603, 0.0954, 0.1745

Complementary

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



20.1603, 0.4563, 0.2287



61.9852, 0.2822, 0.5357

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.



20.1603, 0.1053, 0.2725



20.1603, 0.4563, 0.2287



20.1603, 0.2664, 0.6057

Square

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



20.1603, 0.4563, 0.2287



20.1603, 0.5050, 0.4825



20.1603, 0.1611, 0.4550



20.1603, 0.1192, 0.1385

Rectangle

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



20.1603, 0.4563, 0.2287



20.1603, 0.5915, 0.3555



20.1603, 0.1611, 0.4550



20.1603, 0.0947, 0.1984

Sweetspot

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



20.1641, 0.4563, 0.2287



58.7074, 0.3404, 0.2823



8.4104, 0.1803, 0.0767



11.6330, 0.3455, 0.2756



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.



20.1641, 0.4563, 0.2287



23.5675, 0.4569, 0.2291



18.2629, 0.6281, 0.3234



15.9184, 0.3199, 0.3149



11.2739, 0.4536, 0.2272



0.9575, 0.4313, 0.2150

Inverse Universe

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



20.1641, 0.4563, 0.2287



23.5675, 0.4569, 0.2291



65.8246, 0.2351, 0.3663



15.9184, 0.3199, 0.3149



11.2739, 0.4536, 0.2272



0.9575, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 20.1603, 0.4563, 0.2287 looks on a white background.

Color Contrast Check

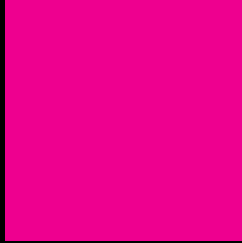
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1603, 0.4563, 0.2287 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 20.1603, 0.4563, 0.2287

Background



This preview shows how black text looks on a background with the Yxy color 20.1603, 0.4563, 0.2287.



This preview shows how white text looks on a background with the Yxy color 20.1603, 0.4563, 0.2287.

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

20.1603, 0.4563, 0.2287

Protanopia

20.9009, 0.2172, 0.2007

Deuteranopia

20.7634, 0.3161, 0.3098



Tritanopia

20.5554, 0.5736, 0.3291

Trichromacy



Original Color

20.1603, 0.4563, 0.2287



Protanomaly

14.9372, 0.2744, 0.1781



Deuteranomaly

16.0256, 0.3688, 0.2437



Tritanomaly

19.6452, 0.5424, 0.2904

Monochromacy



Original Color

20.1603, 0.4563, 0.2287



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5447, 0.3825, 0.2406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1603, 0.4563, 0.2287 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(238, 0, 143)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 143)  
}
```

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(238, 0, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 143) }
```

Border

The CSS property to change the border of an element to Yxy 20.1603, 0.4563, 0.2287 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(238, 0, 143) }
```

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

```
.border{ border-color:rgb(238, 0, 143) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 143);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1603, 0.4563, 0.2287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 143) }
```

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

```
.background{ background-color: rgb(238, 0,  
143) }
```

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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