

Converting Colors

$Yxy(12.5746, 0.4313, 0.1479)$

Have a look what the booklet for
Yxy(12.5746, 0.4313, 0.1479)
contains.

Yxy(20.0040, 0.4148, 0.2059)	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(20.0040, 0.4148, 0.2059)

Conversions

Conversions Part 1

Format	Color
Hex	E900A4
RGB	233, 0, 164
RGB Percent	91%, 0%, 64%
CMY	0.0863, 0.9991, 0.3569
CMYK	0.00, 1.00, 0.30, 0.09
HSL	318°, 100%, 46%
HSV	318°, 100%, 91%
XYZ	40.2995, 20.0040, 36.8505
YIQ	88.3630, 86.2240, 100.4000

Conversions

Conversions Part 2

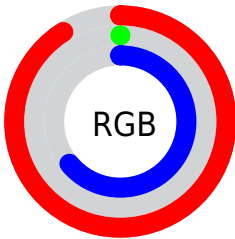
Format	Color
RYB	233, 0, 164
Decimal	15270052
CIELab	51.84, 83.21, -22.41
CIElCh	52, 86.171, 344.927
Yxy	20.0040, 0.4148, 0.2059
Android (android.graphics.Color)	4293460132 (0xFFE900A4)
YUV	88.3630, 37.2890, 126.8466
Hunter-Lab	44.7258, 82.5642, -17.5421

Details

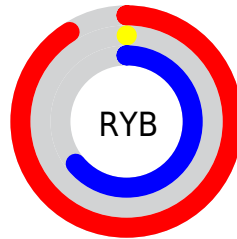
The Yxy color **20.0040, 0.4148, 0.2059** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **58.7016, 0.2897, 0.5627**, and the grayscale version is **9.7730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9239, 0.3557, 0.2131**, and **9.9405, 0.4327, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **19.9980, 0.4149, 0.2059**, and if you desaturate by 10%, it is **20.8902, 0.4026, 0.2039**.

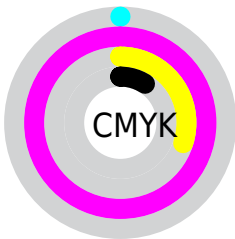
Distribution



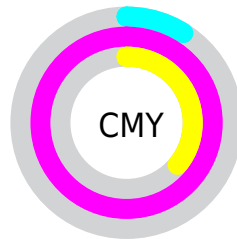
- Red (91%)
- Green (0%)
- Blue (64%)



- Red (91%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0040, 0.4148, 0.2059 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 20.0040, 0.4148, 0.2059 by changing the saturation by 10% instead.


 20.0040, 0.4148,
0.2059


 20.0040, 0.4148,
0.2059

251.9368, 0.3608,
0.2685


 12.3980, 0.4291,
0.1903


 43.4239, 0.3945,
0.2287


 7.0153, 0.4479,
0.1705


 60.0065, 0.3871,
0.2373

 3.4717, 0.4735,
0.1446


 80.3501, 0.3809,
0.2445

 1.3827, 0.5099,
0.1105

 104.8391, 0.3756,
0.2507

 0.2039, 0.5811,
0.0380

 133.8579, 0.3711,
0.2561

 0.0000, 0.6762,
0.0000

 167.7908, 0.3672,

 0.0000, 1.0000,

0.2607

0.0000

207.0223, 0.3638,
0.2649

■ 0.0000, 0.0000,
0.0000

■ 20.0040, 0.4148,
0.2059

■ 20.0040, 0.4148,
0.2059

■ 19.9980, 0.4149,
0.2059

■ 20.8902, 0.4026,
0.2039

■ 22.5451, 0.3900,
0.2063

■ 25.2054, 0.3774,
0.2136

■ 29.0103, 0.3651,
0.2252

■ 34.0768, 0.3536,
0.2401

■ 40.5074, 0.3431,
0.2571

■ 48.3941, 0.3337,
0.2752

■ 57.8207, 0.3256,
0.2937

■ 68.8647, 0.3186,
0.3118

Harmonies

Analogous

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



20.0040, 0.2574, 0.1536



20.0040, 0.4148, 0.2059



20.0040, 0.5607, 0.2782

Triad

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



20.0040, 0.4148, 0.2059



20.0040, 0.4234, 0.5645



20.0040, 0.0889, 0.1888

Complementary

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



20.0040, 0.4148, 0.2059



58.7016, 0.2897, 0.5627

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.



20.0040, 0.1093, 0.3143



20.0040, 0.4148, 0.2059



20.0040, 0.2966, 0.6284

Square

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



20.0040, 0.4148, 0.2059



20.0040, 0.5373, 0.4530



20.0040, 0.1810, 0.5199



20.0040, 0.1038, 0.1388

Rectangle

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



20.0040, 0.4148, 0.2059



20.0040, 0.6005, 0.3301



20.0040, 0.1810, 0.5199



20.0040, 0.0912, 0.2201

Sweetspot

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



20.0051, 0.4148, 0.2059



59.1447, 0.3339, 0.2748



7.0511, 0.1671, 0.0694



11.7374, 0.3378, 0.2670



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.



20.0051, 0.4148, 0.2059



24.5312, 0.4155, 0.2062



17.5614, 0.6059, 0.3112



15.2333, 0.3183, 0.3126



11.3720, 0.4131, 0.2049



0.9097, 0.3973, 0.1962

Inverse Universe

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



20.0051, 0.4148, 0.2059



24.5312, 0.4155, 0.2062



61.6694, 0.2447, 0.4010



15.2333, 0.3183, 0.3126



11.3720, 0.4131, 0.2049



0.9097, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 20.0040, 0.4148, 0.2059 looks on a white background.

Color Contrast Check

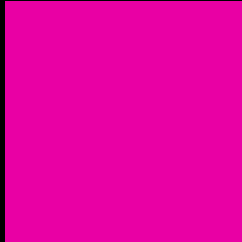
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0040, 0.4148, 0.2059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

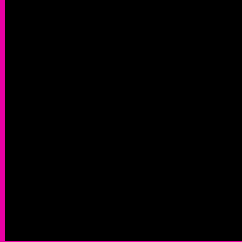
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0040, 0.4148, 0.2059

Background



This preview shows how black text looks on a background with the Yxy color 20.0040, 0.4148, 0.2059.



This preview shows how white text looks on a background with the Yxy color 20.0040, 0.4148, 0.2059.

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

20.0040, 0.4148, 0.2059

Protanopia

21.0178, 0.1914, 0.1672

Deuteranopia

20.6768, 0.2811, 0.2768



Tritanopia

20.3667, 0.5509, 0.3271

Trichromacy



Original Color

20.0040, 0.4148, 0.2059



Protanomaly

14.5643, 0.2311, 0.1464



Deuteranomaly

15.6696, 0.3265, 0.2139



Tritanomaly

19.2232, 0.5120, 0.2768

Monochromacy



Original Color

20.0040, 0.4148, 0.2059



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.7520, 0.3626, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0040, 0.4148, 0.2059 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(233, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 164)  
}
```

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(233, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 164) }
```

Border

The CSS property to change the border of an element to Yxy 20.0040, 0.4148, 0.2059 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(233, 0, 164) }
```

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

```
.border{ border-color:rgb(233, 0, 164) }
```

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

Here you see how a box with a 4 pixel rgb(233, 0, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0040, 0.4148, 0.2059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 164) }
```

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

```
.background{ background-color: rgb(233, 0,  
164) }
```

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