

Converting Colors

$Y_{xy}(20.5224, 0.3241, 0.1559)$

Have a look what the booklet for
Yxy(20.5224, 0.3241, 0.1559)
contains.

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Color

Yxy(20.4866, 0.3232, 0.1554)

Conversions

Conversions Part 1

Format	Color
Hex	DD00DB
RGB	221, 0, 219
RGB Percent	87%, 0%, 86%
CMY	0.1333, 1.0000, 0.1411
CMYK	0.00, 1.00, 0.01, 0.13
HSL	301°, 100%, 43%
HSV	301°, 100%, 87%
XYZ	42.6079, 20.4866, 68.7369
YIQ	91.0450, 61.4170, 114.9610

Conversions

Conversions Part 2

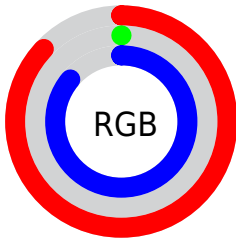
Format	Color
RYB	221, 0, 219
Decimal	14483675
CIELab	52.38, 87.91, -53.67
CIELCh	52, 102.999, 328.597
Yxy	20.4866, 0.3232, 0.1554
Android (android.graphics.Color)	4292673755 (0xFFDD00DB)
YUV	91.0450, 63.0818, 113.9705
Hunter-Lab	45.2621, 88.8239, -58.3567

Details

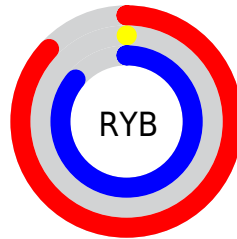
The Yxy color **20.4866, 0.3232, 0.1554** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **51.7212, 0.2999, 0.5995**, and the grayscale version is **10.3173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.2214, 0.3179, 0.1525** is the 20% darker color. If you saturate the color by 10%, you get **20.4886, 0.3232, 0.1554**, and if you desaturate by 10%, it is **21.0768, 0.3228, 0.1585**.

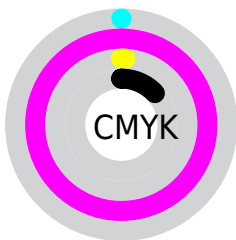
Distribution



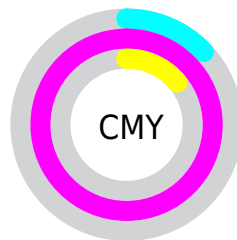
- Red (87%)
- Green (0%)
- Blue (86%)



- Red (87%)
- Yellow (0%)
- Blue (86%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4866, 0.3232, 0.1554 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 20.4866, 0.3232, 0.1554 by changing the saturation by 10% instead.


 20.4866, 0.3232,
0.1554

 20.4866, 0.3232,
0.1554


254.5373, 0.3230,
0.2363


 12.7492, 0.3217,
0.1378


 44.2315, 0.3243,
0.1830

 7.2561, 0.3189,
0.1168


 61.0079, 0.3244,
0.1939

 3.6228, 0.3137,
0.0919


 81.5660, 0.3243,
0.2034

 1.4649, 0.3042,
0.0630

 106.2903, 0.3241,
0.2117

 0.2638, 0.2891,
0.0215

 135.5652, 0.3239,
0.2189

 0.0000, 0.2522,
0.0000

 169.7751, 0.3236,

 0.0000, 0.1402,

0.2254

0.0000

209.3043, 0.3233,
0.2311

■ 0.0000, 0.0000,
0.0000

■ 20.4866, 0.3232,
0.1554

■ 20.4866, 0.3232,
0.1554

■ 20.4886, 0.3232,
0.1554

■ 21.0768, 0.3228,
0.1585

■ 22.3260, 0.3222,
0.1651

■ 24.4520, 0.3215,
0.1760

■ 27.5765, 0.3205,
0.1911

■ 31.8021, 0.3193,
0.2099

■ 37.2187, 0.3181,
0.2317

■ 43.9070, 0.3167,
0.2553

■ 51.9406, 0.3154,
0.2800

■ 61.3875, 0.3140,
0.3048

Harmonies

Analogous

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



20.4866, 0.1774, 0.1174



20.4866, 0.3232, 0.1554



20.4866, 0.5195, 0.2225

Triad

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



20.4866, 0.3232, 0.1554



20.4866, 0.4937, 0.5063



20.4866, 0.0716, 0.2261

Complementary

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



20.4866, 0.3232, 0.1554



51.7212, 0.2999, 0.5995

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.



20.4866, 0.1147, 0.4382



20.4866, 0.3232, 0.1554



20.4866, 0.3544, 0.6456

Square

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



20.4866, 0.3232, 0.1554



20.4866, 0.6089, 0.3879



20.4866, 0.2183, 0.6647



20.4866, 0.0711, 0.1368

Rectangle

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



20.4866, 0.3232, 0.1554



20.4866, 0.6141, 0.2739



20.4866, 0.2183, 0.6647



20.4866, 0.0799, 0.2809

Sweetspot

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



20.4886, 0.3232, 0.1554



60.4758, 0.3167, 0.2547



5.2209, 0.1500, 0.0600



12.0595, 0.3173, 0.2445



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.



20.4886, 0.3232, 0.1554



28.3329, 0.3232, 0.1554



16.5101, 0.4984, 0.2519



13.2727, 0.3139, 0.3062



11.9022, 0.3232, 0.1554



0.7718, 0.3228, 0.1552

Inverse Universe

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



20.4886, 0.3232, 0.1554



28.3329, 0.3232, 0.1554



52.8536, 0.2730, 0.5027



13.2727, 0.3139, 0.3062



11.9022, 0.3232, 0.1554



0.7718, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 20.4866, 0.3232, 0.1554 looks on a white background.

Color Contrast Check

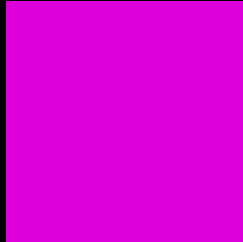
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4866, 0.3232, 0.1554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

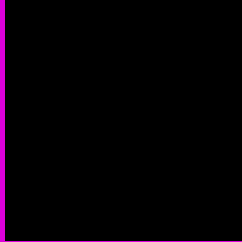
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4866, 0.3232, 0.1554

Background



This preview shows how black text looks on a background with the Yxy color 20.4866, 0.3232, 0.1554.



This preview shows how white text looks on a background with the Yxy color 20.4866, 0.3232, 0.1554.

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

20.4866, 0.3232, 0.1554

Protanopia

21.3721, 0.1765, 0.1482

Deuteranopia

21.2547, 0.2094, 0.2035



Tritanopia

20.6937, 0.4830, 0.3225

Trichromacy



Original Color

20.4866, 0.3232, 0.1554



Protanomaly

14.4563, 0.1922, 0.1168



Deuteranomaly

15.3338, 0.2331, 0.1495



Tritanomaly

18.5644, 0.4269, 0.2394

Monochromacy



Original Color

20.4866, 0.3232, 0.1554



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.2644, 0.3189, 0.1974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4866, 0.3232, 0.1554 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(221, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 219)  
}
```

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(221, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.4866, 0.3232, 0.1554 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(221, 0, 219) }
```

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

```
.border{ border-color:rgb(221, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4866, 0.3232, 0.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 219) }
```

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

```
.background{ background-color: rgb(221, 0,  
219) }
```

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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