

Converting Colors

$Yxy(21.0189, 0.4064, 0.2012)$

Have a look what the booklet for
Yxy(21.0189, 0.4064, 0.2012)
contains.

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Color

Yxy(20.9831, 0.4066, 0.2014)

Conversions

Conversions Part 1

Format	Color
Hex	ED00AC
RGB	237, 0, 172
RGB Percent	93%, 0%, 67%
CMY	0.0707, 0.9987, 0.3255
CMYK	0.00, 1.00, 0.27, 0.07
HSL	316°, 100%, 47%
HSV	316°, 100%, 93%
XYZ	42.3621, 20.9831, 40.8410
YIQ	90.4710, 86.0400, 103.7360

Conversions

Conversions Part 2

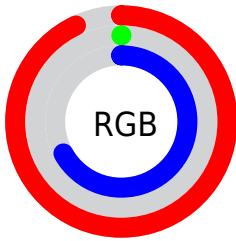
Format	Color
R_{YB}	237, 0, 172
Decimal	15532204
CIE _{Lab}	52.93, 84.81, -25.39
CIE _{LCh}	53, 88.532, 343.334
Yxy	20.9831, 0.4066, 0.2014
Android (android.graphics.Color)	4293722284 (0xFFED00AC)
YUV	90.4710, 40.1938, 128.5059
Hunter-Lab	45.8073, 84.9121, -20.7968

Details

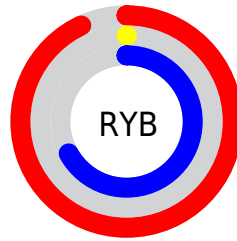
The Yxy color **20.9831, 0.4066, 0.2014** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **60.9365, 0.2910, 0.5677**, and the grayscale version is **10.2737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5968, 0.3459, 0.2066**, and **10.5620, 0.4233, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **20.9732, 0.4068, 0.2014**, and if you desaturate by 10%, it is **21.8879, 0.3955, 0.1998**.

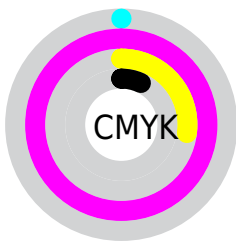
Distribution



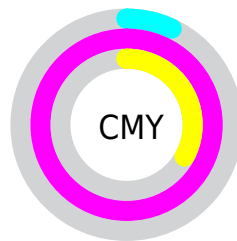
- Red (93%)
- Green (0%)
- Blue (67%)



- Red (93%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9831, 0.4066, 0.2014 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 20.9831, 0.4066, 0.2014 by changing the saturation by 10% instead.


 20.9831, 0.4066,
0.2014


 20.9831, 0.4066,
0.2014


257.1887, 0.3579,
0.2653


 13.1116, 0.4191,
0.1858


 45.0594, 0.3886,
0.2244

 7.5055, 0.4354,
0.1662


 62.0331, 0.3819,
0.2332

 3.7802, 0.4571,
0.1410


 82.8096, 0.3763,
0.2406

 1.5514, 0.4874,
0.1081

 107.7733, 0.3715,
0.2469

 0.3245, 0.5401,
0.0500

 137.3087, 0.3674,
0.2524

 0.0000, 0.6070,
0.0000

 171.8001, 0.3638,

 0.0000, 1.0000,

0.2572

0.0000

211.6320, 0.3607,
0.2615

■ 0.0000, 0.0000,
0.0000

■ 20.9831, 0.4066,
0.2014

■ 20.9831, 0.4066,
0.2014

■ 20.9732, 0.4068,
0.2014

■ 21.8879, 0.3955,
0.1998

■ 23.5939, 0.3841,
0.2027

■ 26.3443, 0.3726,
0.2104

■ 30.2842, 0.3614,
0.2224

■ 35.5354, 0.3508,
0.2376

■ 42.2048, 0.3410,
0.2551

■ 50.3882, 0.3324,
0.2737

■ 60.1728, 0.3248,
0.2927

■ 71.6394, 0.3182,
0.3113

Harmonies

Analogous

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



20.9831, 0.2497, 0.1503



20.9831, 0.4066, 0.2014



20.9831, 0.5576, 0.2733

Triad

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



20.9831, 0.4066, 0.2014



20.9831, 0.4301, 0.5603



20.9831, 0.0876, 0.1918

Complementary

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



20.9831, 0.4066, 0.2014



60.9365, 0.2910, 0.5677

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.



20.9831, 0.1100, 0.3234



20.9831, 0.4066, 0.2014



20.9831, 0.3022, 0.6316

Square

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



20.9831, 0.4066, 0.2014



20.9831, 0.5434, 0.4470



20.9831, 0.1848, 0.5330



20.9831, 0.1009, 0.1388

Rectangle

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



20.9831, 0.4066, 0.2014



20.9831, 0.6020, 0.3251



20.9831, 0.1848, 0.5330



20.9831, 0.0905, 0.2247

Sweetspot

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



20.9842, 0.4066, 0.2014



59.2402, 0.3326, 0.2732



7.1912, 0.1652, 0.0684



11.7604, 0.3361, 0.2653



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.



20.9842, 0.4066, 0.2014



24.7618, 0.4072, 0.2017



18.2873, 0.6012, 0.3087



15.2391, 0.3180, 0.3121



11.4775, 0.4050, 0.2005



0.9173, 0.3907, 0.1926

Inverse Universe

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



20.9842, 0.4066, 0.2014



24.7618, 0.4072, 0.2017



63.9183, 0.2464, 0.4070



15.2391, 0.3180, 0.3121



11.4775, 0.4050, 0.2005



0.9173, 0.3907, 0.1926

Previews

White Background



This preview shows how the Yxy color 20.9831, 0.4066, 0.2014 looks on a white background.

Color Contrast Check

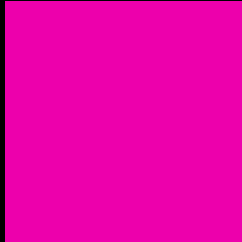
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9831, 0.4066, 0.2014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

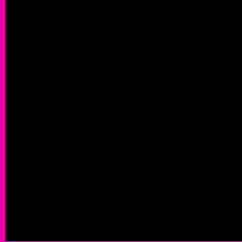
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9831, 0.4066, 0.2014

Background



This preview shows how black text looks on a background with the Yxy color 20.9831, 0.4066, 0.2014.



This preview shows how white text looks on a background with the Yxy color 20.9831, 0.4066, 0.2014.

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

20.9831, 0.4066, 0.2014

Protanopia

21.9685, 0.1868, 0.1606

Deuteranopia

21.4514, 0.2739, 0.2678



Tritanopia

21.4122, 0.5475, 0.3271

Trichromacy



Original Color

20.9831, 0.4066, 0.2014



Protanomaly

14.9390, 0.2228, 0.1401



Deuteranomaly

16.3464, 0.3171, 0.2076



Tritanomaly

20.1341, 0.5063, 0.2742

Monochromacy



Original Color

20.9831, 0.4066, 0.2014



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.3115, 0.3597, 0.2261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9831, 0.4066, 0.2014 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(237, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 172)  
}
```

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(237, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 172) }
```

Border

The CSS property to change the border of an element to Yxy 20.9831, 0.4066, 0.2014 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(237, 0, 172) }
```

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

```
.border{ border-color:rgb(237, 0, 172) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9831, 0.4066, 0.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 172) }
```

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

```
.background{ background-color: rgb(237, 0,  
172) }
```

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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