

Converting Colors

$Yxy(20.1775, 0.3994, 0.1974)$

Have a look what the booklet for
Yxy(20.1775, 0.3994, 0.1974)
contains.

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Color

Yxy(20.1729, 0.3991, 0.1972)

Conversions

Conversions Part 1

Format	Color
Hex	E800AD
RGB	232, 0, 173
RGB Percent	91%, 0%, 68%
CMY	0.0902, 1.0000, 0.3214
CMYK	0.00, 1.00, 0.25, 0.09
HSL	315°, 100%, 45%
HSV	315°, 100%, 91%
XYZ	40.8266, 20.1729, 41.2972
YIQ	89.0900, 82.7390, 102.9870

Conversions

Conversions Part 2

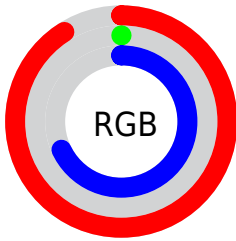
Format	Color
R_{YB}	232, 0, 173
Decimal	15204525
CIE _{Lab}	52.03, 84.02, -27.47
CIE _{LCh}	52, 88.394, 341.891
Yxy	20.1729, 0.3991, 0.1972
Android (android.graphics.Color)	4293394605 (0xFFE800AD)
YUV	89.0900, 41.3676, 125.3321
Hunter-Lab	44.9143, 83.6547, -23.0752

Details

The Yxy color **20.1729, 0.3991, 0.1972** 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 **58.0336, 0.2922, 0.5720**, and the grayscale version is **9.9056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4665, 0.3449, 0.2051**, and **10.0140, 0.4133, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **20.1759, 0.3991, 0.1972**, and if you desaturate by 10%, it is **21.0302, 0.3891, 0.1961**.

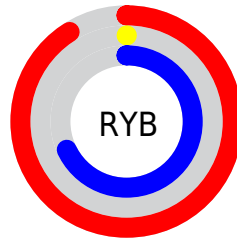
Distribution



Red (91%)

Green (0%)

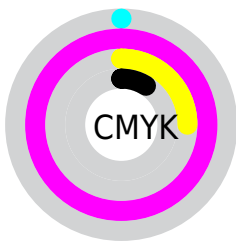
Blue (68%)



Red (91%)

Yellow (0%)

Blue (68%)

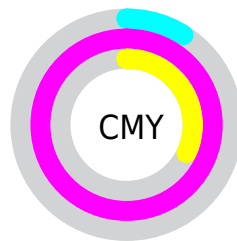


Cyan (0%)

Magenta (100%)

Yellow (25%)

Black (9%)



Cyan (9%)


Magenta (100%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1729, 0.3991, 0.1972 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 20.1729, 0.3991, 0.1972 by changing the saturation by 10% instead.


 20.1729, 0.3991,
0.1972


 20.1729, 0.3991,
0.1972


252.8496, 0.3546,
0.2632


 12.5208, 0.4104,
0.1811


 43.7069, 0.3827,
0.2210

 7.0994, 0.4251,
0.1610


 60.3575, 0.3766,
0.2300


 3.5243, 0.4444,
0.1351


 80.7765, 0.3715,
0.2376

 1.4112, 0.4710,
0.1017

 105.3481, 0.3671,
0.2442

 0.2250, 0.5209,
0.0364

 134.4569, 0.3633,
0.2499

 0.0000, 0.5693,
0.0000

 168.4871, 0.3600,

 0.0000, 1.0000,

0.2549

0.0000

207.8232, 0.3571,
0.2593

■ 0.0000, 0.0000,
0.0000

■ 20.1729, 0.3991,
0.1972

■ 20.1729, 0.3991,
0.1972

■ 20.1759, 0.3991,
0.1972

■ 21.0302, 0.3891,
0.1961

■ 22.6386, 0.3788,
0.1994

■ 25.2378, 0.3683,
0.2074

■ 28.9657, 0.3580,
0.2196

■ 33.9382, 0.3482,
0.2352

■ 40.2568, 0.3393,
0.2530

■ 48.0126, 0.3312,
0.2721

■ 57.2884, 0.3241,
0.2915

■ 68.1611, 0.3180,
0.3106

Harmonies

Analogous

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



20.1729, 0.2427, 0.1473



20.1729, 0.3991, 0.1972



20.1729, 0.5548, 0.2688

Triad

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



20.1729, 0.3991, 0.1972



20.1729, 0.4368, 0.5570



20.1729, 0.0862, 0.1945

Complementary

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



20.1729, 0.3991, 0.1972



58.0336, 0.2922, 0.5720

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.



20.1729, 0.1106, 0.3320



20.1729, 0.3991, 0.1972



20.1729, 0.3072, 0.6343

Square

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



20.1729, 0.3991, 0.1972



20.1729, 0.5494, 0.4419



20.1729, 0.1882, 0.5452



20.1729, 0.0981, 0.1387

Rectangle

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



20.1729, 0.3991, 0.1972



20.1729, 0.6034, 0.3205



20.1729, 0.1882, 0.5452



20.1729, 0.0897, 0.2290

Sweetspot

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



20.1759, 0.3991, 0.1972



59.3305, 0.3313, 0.2718



6.7263, 0.1634, 0.0674



11.7820, 0.3346, 0.2636



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.



20.1759, 0.3991, 0.1972



24.9859, 0.3996, 0.1975



17.4628, 0.5964, 0.3059



14.5494, 0.3177, 0.3116



11.2213, 0.3975, 0.1964



0.8440, 0.3839, 0.1889

Inverse Universe

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



20.1759, 0.3991, 0.1972



24.9859, 0.3996, 0.1975



60.7744, 0.2481, 0.4131



14.5494, 0.3177, 0.3116



11.2213, 0.3975, 0.1964



0.8440, 0.3839, 0.1889

Previews

White Background



This preview shows how the Yxy color 20.1729, 0.3991, 0.1972 looks on a white background.

Color Contrast Check

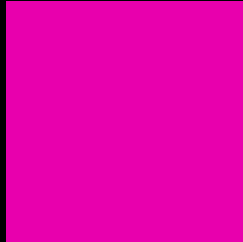
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1729, 0.3991, 0.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

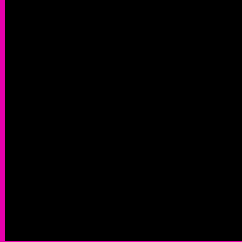
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1729, 0.3991, 0.1972

Background



This preview shows how black text looks on a background with the Yxy color 20.1729, 0.3991, 0.1972.



This preview shows how white text looks on a background with the Yxy color 20.1729, 0.3991, 0.1972.

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

20.1729, 0.3991, 0.1972

Protanopia

21.2510, 0.1830, 0.1561

Deuteranopia

20.6965, 0.2686, 0.2621



Tritanopia

20.4494, 0.5418, 0.3261

Trichromacy



Original Color

20.1729, 0.3991, 0.1972



Protanomaly

14.2763, 0.2152, 0.1352



Deuteranomaly

15.6755, 0.3106, 0.2020



Tritanomaly

19.1628, 0.4988, 0.2708

Monochromacy



Original Color

20.1729, 0.3991, 0.1972



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.9450, 0.3548, 0.2228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1729, 0.3991, 0.1972 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(232, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 173)  
}
```

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(232, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 173) }
```

Border

The CSS property to change the border of an element to Yxy 20.1729, 0.3991, 0.1972 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(232, 0, 173) }
```

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

```
.border{ border-color:rgb(232, 0, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1729, 0.3991, 0.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 173) }
```

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

```
.background{ background-color: rgb(232, 0,  
173) }
```

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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