

Converting Colors

$Y_{xy}(21.7789, 0.3957, 0.1982)$

Have a look what the booklet for
Yxy(21.7789, 0.3957, 0.1982)
contains.

Yxy(21.8327, 0.3964, 0.1985)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8327, 0.3964, 0.1985)

Conversions

Conversions Part 1

Format	Color
Hex	EE11B3
RGB	238, 17, 179
RGB Percent	93%, 7%, 70%
CMY	0.0666, 0.9334, 0.2981
CMYK	0.00, 0.93, 0.25, 0.07
HSL	316°, 87%, 50%
HSV	316°, 93%, 93%
XYZ	43.5994, 21.8327, 44.5563
YIQ	101.5470, 79.7140, 97.2340

Conversions

Conversions Part 2

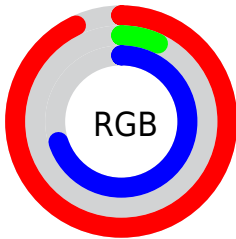
Format	Color
R _Y B	238, 17, 179
Decimal	15602099
CIE Lab	53.85, 84.54, -28.05
CIE LCh	54, 89.072, 341.641
Yxy	21.8327, 0.3964, 0.1985
Android (android.graphics.Color)	4293792179 (0xFFEE11B3)
YUV	101.5470, 38.1843, 119.6693
Hunter-Lab	46.7255, 84.7883, -23.8297

Details

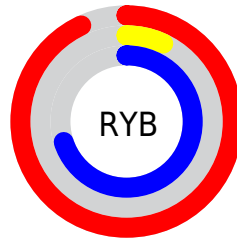
The Yxy color **21.8327, 0.3964, 0.1985** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **61.7984, 0.2894, 0.5568**, and the grayscale version is **13.0428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7609, 0.3384, 0.2040**, and **10.8535, 0.4098, 0.2031** is the 20% darker color. If you saturate the color by 10%, you get **21.2534, 0.4040, 0.1999**, and if you desaturate by 10%, it is **23.2673, 0.3855, 0.2000**.

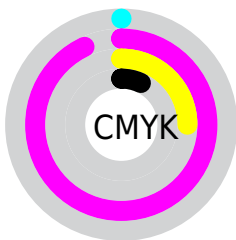
Distribution



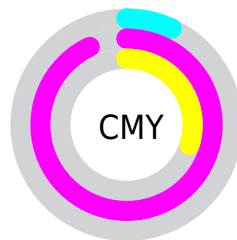
- Red (93%)
- Green (7%)
- Blue (70%)



- Red (93%)
- Yellow (7%)
- Blue (70%)



- Cyan (0%)
- Magenta (93%)
- Yellow (25%)
- Black (7%)



- Cyan (7%)
- Magenta (93%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8327, 0.3964, 0.1985 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 21.8327, 0.3964, 0.1985 by changing the saturation by 10% instead.


 21.8327, 0.3964,
0.1985


 21.8327, 0.3964,
0.1985


261.6713, 0.3538,
0.2631


 13.7340, 0.4071,
0.1830


 46.4693, 0.3809,
0.2216


 7.9359, 0.4207,
0.1636


 63.7761, 0.3750,
0.2304

 4.0540, 0.4386,
0.1389


 84.9210, 0.3701,
0.2379

 1.7038, 0.4630,
0.1071

 110.2884, 0.3659,
0.2443

 0.4261, 0.5019,
0.0572

 140.2627, 0.3623,
0.2499

 0.0000, 0.5561,
0.0000

175.2284, 0.3591,

 0.0000, 0.9616,

0.2548

0.0000

215.5698, 0.3563,
0.2592

■ 0.0000, 0.0000,
0.0000

■ 21.8327, 0.3964,
0.1985

■ 21.8327, 0.3964,
0.1985

■ 21.2534, 0.4040,
0.1999

■ 23.2673, 0.3855,
0.2000

■ 25.7043, 0.3743,
0.2064

■ 29.3011, 0.3633,
0.2173

■ 34.1871, 0.3528,
0.2318

■ 40.4741, 0.3431,
0.2489

■ 48.2621, 0.3343,
0.2674

■ 57.6417, 0.3266,
0.2865

■ 68.6963, 0.3199,
0.3055

■ 81.5035, 0.3142,
0.3239

Harmonies

Analogous

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



21.8327, 0.2429, 0.1492



21.8327, 0.3964, 0.1985



21.8327, 0.5497, 0.2696

Triad

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



21.8327, 0.3964, 0.1985



21.8327, 0.4370, 0.5531



21.8327, 0.0887, 0.1976

Complementary

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



21.8327, 0.3964, 0.1985



61.7984, 0.2894, 0.5568

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.



21.8327, 0.1138, 0.3341



21.8327, 0.3964, 0.1985



21.8327, 0.3099, 0.6288

Square

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



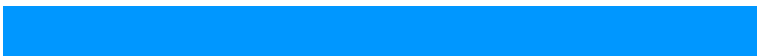
21.8327, 0.3964, 0.1985



21.8327, 0.5474, 0.4409



21.8327, 0.1917, 0.5420



21.8327, 0.1002, 0.1413

Rectangle

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



21.8327, 0.3964, 0.1985



21.8327, 0.5988, 0.3211



21.8327, 0.1917, 0.5420



21.8327, 0.0923, 0.2320

Sweetspot

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



21.8339, 0.3964, 0.1985



61.4272, 0.3305, 0.2765



8.1071, 0.1720, 0.0749



12.1736, 0.3340, 0.2683



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.



21.8339, 0.3964, 0.1985



24.8437, 0.4043, 0.2001



19.0039, 0.5813, 0.3025



15.9551, 0.3179, 0.3118



11.8782, 0.4024, 0.1990



1.0046, 0.3892, 0.1918

Inverse Universe

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



21.8339, 0.3964, 0.1985



24.8437, 0.4043, 0.2001



64.8404, 0.2457, 0.4010



15.9551, 0.3179, 0.3118



11.8782, 0.4024, 0.1990



1.0046, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 21.8327, 0.3964, 0.1985 looks on a white background.

Color Contrast Check

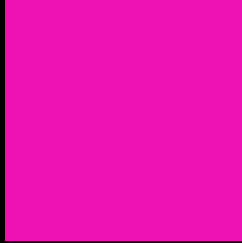
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8327, 0.3964, 0.1985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

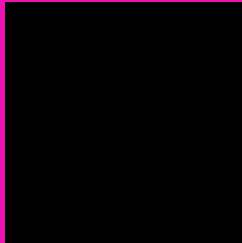
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8327, 0.3964, 0.1985

Background



This preview shows how black text looks on a background with the Yxy color 21.8327, 0.3964, 0.1985.



This preview shows how white text looks on a background with the Yxy color 21.8327, 0.3964, 0.1985.

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

21.8327, 0.3964, 0.1985

Protanopia

22.5160, 0.1831, 0.1554

Deuteranopia

22.1435, 0.2670, 0.2607



Tritanopia

21.9657, 0.5392, 0.3270

Trichromacy



Original Color

21.8327, 0.3964, 0.1985



Protanomaly

16.1396, 0.2162, 0.1407



Deuteranomaly

17.6875, 0.3081, 0.2083



Tritanomaly

20.9719, 0.4945, 0.2743

Monochromacy



Original Color

21.8327, 0.3964, 0.1985



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6975, 0.3507, 0.2338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8327, 0.3964, 0.1985 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, 17, 179)` looks like.

```
.text, #text, p{  
    color:rgb(238, 17, 179)  
}
```

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, 17, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 17, 179) }
```

Border

The CSS property to change the border of an element to Yxy 21.8327, 0.3964, 0.1985 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, 17, 179) }
```

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

```
.border{ border-color:rgb(238, 17, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 17, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 17, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 17, 179);  
box-shadow:4px 4px 4px 4px rgb(238, 17,  
179) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.8327, 0.3964, 0.1985$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 17, 179) }
```

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

```
.background{ background-color: rgb(238, 17,  
179) }
```

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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