

Converting Colors

Yxy(19.9828, 0.4957, 0.2542)

Have a look what the booklet for
Yxy(19.9828, 0.4957, 0.2542)
contains.

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Color

Yxy(19.9341, 0.4958, 0.2544)

Conversions

Conversions Part 1

Format	Color
Hex	EE1178
RGB	238, 17, 120
RGB Percent	93%, 7%, 47%
CMY	0.0667, 0.9331, 0.5294
CMYK	0.00, 0.93, 0.50, 0.07
HSL	332°, 87%, 50%
HSV	332°, 93%, 93%
XYZ	38.8496, 19.9341, 19.5737
YIQ	94.8210, 98.6530, 78.8850

Conversions

Conversions Part 2

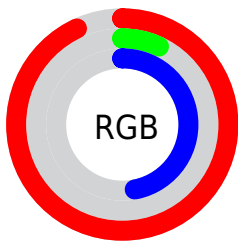
Format	Color
R_{YB}	238, 17, 120
Decimal	15602040
CIE Lab	51.76, 78.99, 3.96
CIE LCh	52, 79.086, 2.867
Yxy	19.9341, 0.4958, 0.2544
Android (android.graphics.Color)	4293792120 (0xFFEE1178)
YUV	94.8210, 12.4132, 125.5680
Hunter-Lab	44.6476, 77.1862, 5.2604

Details

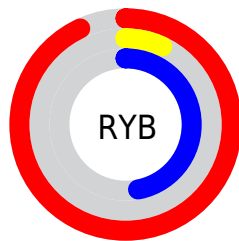
The Yxy color **19.9341, 0.4958, 0.2544** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **63.0154, 0.2677, 0.4794**, and the grayscale version is **11.3600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1622, 0.4122, 0.2572**, and **9.5818, 0.5322, 0.2705** is the 20% darker color. If you saturate the color by 10%, you get **19.3215, 0.5139, 0.2605**, and if you desaturate by 10%, it is **21.4383, 0.4692, 0.2498**.

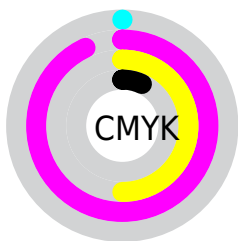
Distribution



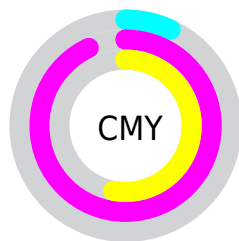
- Red (93%)
- Green (7%)
- Blue (47%)



- Red (93%)
- Yellow (7%)
- Blue (47%)



- Cyan (0%)
- Magenta (93%)
- Yellow (50%)
- Black (7%)





- Cyan (7%)
- Magenta (93%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9341, 0.4958, 0.2544 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 19.9341, 0.4958, 0.2544 by changing the saturation by 10% instead.


 19.9341, 0.4958,
0.2544


 19.9341, 0.4958,
0.2544


251.5581, 0.3929,
0.2973


 12.3471, 0.5252,
0.2417


 43.3067, 0.4556,
0.2714


 6.9806, 0.5649,
0.2244


 59.8611, 0.4414,
0.2774

 3.4499, 0.6208,
0.1993

 80.1734, 0.4297,
0.2822

 1.3709, 0.7026,
0.1616

 104.6281, 0.4199,
0.2863

 0.1951, 0.9362,
0.0638

 133.6095, 0.4116,
0.2897

 0.0000, 1.0000,
0.0000

 167.5021, 0.4045,

 0.0000, 0.0000,

0.2926

0.0000

206.6902, 0.3983,
0.2951

■ 19.9341, 0.4958,
0.2544

■ 19.9341, 0.4958,
0.2544

■ 19.3215, 0.5139,
0.2605

■ 21.4383, 0.4692,
0.2498

■ 23.9757, 0.4421,
0.2508

■ 27.7052, 0.4161,
0.2564

■ 32.7568, 0.3924,
0.2655

■ 39.2439, 0.3714,
0.2767

■ 47.2672, 0.3534,
0.2890

■ 56.9183, 0.3383,
0.3017

■ 68.2818, 0.3257,
0.3140

■ 81.4361, 0.3153,
0.3258

Harmonies

Analogous

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



19.9341, 0.3455, 0.1902



19.9341, 0.4958, 0.2544



19.9341, 0.5794, 0.3297

Triad

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



19.9341, 0.4958, 0.2544



19.9341, 0.3517, 0.5961



19.9341, 0.1046, 0.1634

Complementary

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



19.9341, 0.4958, 0.2544



63.0154, 0.2677, 0.4794

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.



19.9341, 0.1038, 0.2369



19.9341, 0.4958, 0.2544



19.9341, 0.2341, 0.5633

Square

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



19.9341, 0.4958, 0.2544



19.9341, 0.4683, 0.5133



19.9341, 0.1435, 0.3888



19.9341, 0.1391, 0.1405

Rectangle

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



19.9341, 0.4958, 0.2544



19.9341, 0.5750, 0.3842



19.9341, 0.1435, 0.3888



19.9341, 0.1006, 0.1808

Sweetspot

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



19.9353, 0.4958, 0.2544



60.3781, 0.3460, 0.2950



11.7176, 0.2150, 0.0984



11.9211, 0.3528, 0.2895



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.



19.9353, 0.4958, 0.2544



22.5877, 0.5148, 0.2610



18.8877, 0.6275, 0.3321



15.8814, 0.3220, 0.3180



10.8057, 0.5102, 0.2584



0.9189, 0.4789, 0.2412

Inverse Universe

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



19.9353, 0.4958, 0.2544



22.5877, 0.5148, 0.2610



63.2368, 0.2228, 0.3192



15.8814, 0.3220, 0.3180



10.8057, 0.5102, 0.2584



0.9189, 0.4789, 0.2412

Previews

White Background



This preview shows how the Yxy color 19.9341, 0.4958, 0.2544 looks on a white background.

Color Contrast Check

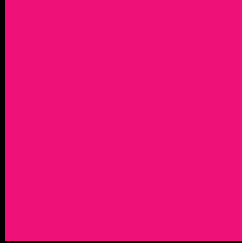
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9341, 0.4958, 0.2544 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 19.9341, 0.4958, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 19.9341, 0.4958, 0.2544.



This preview shows how white text looks on a background with the Yxy color 19.9341, 0.4958, 0.2544.

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

19.9341, 0.4958, 0.2544

Protanopia

20.4595, 0.2516, 0.2456

Deuteranopia

20.3095, 0.3531, 0.3467



Tritanopia

20.1737, 0.5882, 0.3298

Trichromacy



Original Color

19.9341, 0.4958, 0.2544



Protanomaly

15.8087, 0.3232, 0.2239



Deuteranomaly

16.7485, 0.4120, 0.2844



Tritanomaly

19.7271, 0.5639, 0.3043

Monochromacy



Original Color

19.9341, 0.4958, 0.2544



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.2168, 0.3924, 0.2661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9341, 0.4958, 0.2544 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(238, 17, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 17, 120) }
```

Border

The CSS property to change the border of an element to Yxy 19.9341, 0.4958, 0.2544 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, 120) }
```

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

```
.border{ border-color:rgb(238, 17, 120) }
```

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, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 17, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 17, 120);  
box-shadow:4px 4px 4px 4px rgb(238, 17,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9341, 0.4958, 0.2544 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, 120) }
```

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

```
.background{ background-color: rgb(238, 17,  
120) }
```

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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