

Converting Colors

$Yxy(20.5765, 0.4777, 0.2486)$

Have a look what the booklet for
Yxy(20.5765, 0.4777, 0.2486)
contains.

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Color

Yxy(20.6409, 0.4781, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	EE1D81
RGB	238, 29, 129
RGB Percent	93%, 11%, 51%
CMY	0.0666, 0.8863, 0.4942
CMYK	0.00, 0.88, 0.46, 0.07
HSL	331°, 86%, 52%
HSV	331°, 88%, 93%
XYZ	39.6640, 20.6409, 22.6569
YIQ	102.8910, 92.4640, 75.4080

Conversions

Conversions Part 2

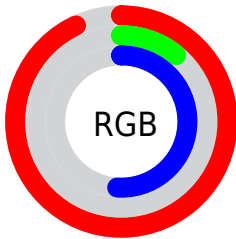
Format	Color
R_{YB}	238, 29, 129
Decimal	15605121
CIE Lab	52.55, 78.15, -0.32
CIE LCh	53, 78.151, 359.766
Yxy	20.6409, 0.4781, 0.2488
Android (android.graphics.Color)	4293795201 (0xFFEE1D81)
YUV	102.8910, 12.8717, 118.4906
Hunter-Lab	45.4323, 76.3307, 2.2349

Details

The Yxy color **20.6409, 0.4781, 0.2488** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **63.2529, 0.2676, 0.4745**, and the grayscale version is **13.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5380, 0.3982, 0.2517**, and **9.8093, 0.5144, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **19.5662, 0.5032, 0.2557**, and if you desaturate by 10%, it is **22.6415, 0.4518, 0.2473**.

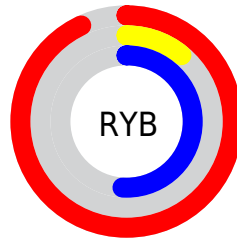
Distribution



Red (93%)

Green (11%)

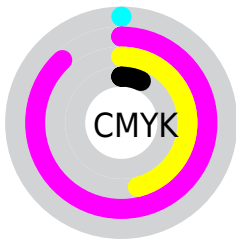
Blue (51%)



Red (93%)

Yellow (11%)

Blue (51%)

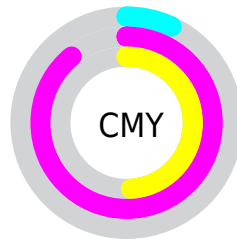


Cyan (0%)

Magenta (88%)

Yellow (46%)

Black (7%)



Cyan (7%)


Magenta (89%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6409, 0.4781, 0.2488 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 20.6409, 0.4781, 0.2488 by changing the saturation by 10% instead.


 20.6409, 0.4781,
0.2488


 20.6409, 0.4781,
0.2488


255.3639, 0.3859,
0.2934


 12.8618, 0.5042,
0.2362


 44.4891, 0.4423,
0.2661

 7.3334, 0.5396,
0.2191


 61.3270, 0.4295,
0.2723


 3.6715, 0.5894,
0.1951

 81.9532, 0.4190,
0.2774

 1.4915, 0.6631,
0.1596

 106.7523, 0.4103,
0.2816

 0.2828, 0.8306,
0.0781

 136.1084, 0.4028,
0.2853

 0.0000, 1.0000,
0.0000

170.4062, 0.3964,

 0.0000, 0.0000,

0.2884

0.0000

210.0298, 0.3908,
0.2911

■ 20.6409, 0.4781,
0.2488

■ 20.6409, 0.4781,
0.2488

■ 19.5662, 0.5032,
0.2557

■ 22.6415, 0.4518,
0.2473

■ 19.3911, 0.5086,
0.2576

■ 25.7571, 0.4259,
0.2510

■ 30.1310, 0.4016,
0.2588

■ 35.8838, 0.3799,
0.2694

■ 43.1221, 0.3609,
0.2816

■ 51.9418, 0.3448,
0.2945

■ 62.4305, 0.3313,
0.3074

■ 74.6696, 0.3201,
0.3198

■ 88.7351, 0.3108,
0.3315

Harmonies

Analogous

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



20.6409, 0.3300, 0.1872



20.6409, 0.4781, 0.2488



20.6409, 0.5705, 0.3229

Triad

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



20.6409, 0.4781, 0.2488



20.6409, 0.3650, 0.5857



20.6409, 0.1060, 0.1711

Complementary

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



20.6409, 0.4781, 0.2488



63.2529, 0.2676, 0.4745

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.



20.6409, 0.1090, 0.2509



20.6409, 0.4781, 0.2488



20.6409, 0.2480, 0.5683

Square

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



20.6409, 0.4781, 0.2488



20.6409, 0.4778, 0.5011



20.6409, 0.1539, 0.4068



20.6409, 0.1365, 0.1441

Rectangle

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



20.6409, 0.4781, 0.2488



20.6409, 0.5740, 0.3763



20.6409, 0.1539, 0.4068



20.6409, 0.1032, 0.1904

Sweetspot

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



20.6421, 0.4781, 0.2488



62.7157, 0.3423, 0.2967



12.3691, 0.2174, 0.1027



12.5849, 0.3474, 0.2922



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.



20.6421, 0.4781, 0.2488



22.6649, 0.5095, 0.2580



19.3267, 0.6174, 0.3313



15.8848, 0.3218, 0.3178



10.8428, 0.5050, 0.2556



0.9220, 0.4744, 0.2387

Inverse Universe

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



20.6421, 0.4781, 0.2488



22.6649, 0.5095, 0.2580



65.5820, 0.2250, 0.3243



15.8848, 0.3218, 0.3178



10.8428, 0.5050, 0.2556



0.9220, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 20.6409, 0.4781, 0.2488 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 20.6409, 0.4781, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

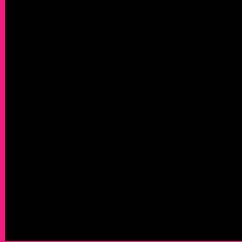
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6409, 0.4781, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 20.6409, 0.4781, 0.2488.



This preview shows how white text looks on a background with the Yxy color 20.6409, 0.4781, 0.2488.

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

20.6409, 0.4781, 0.2488

Protanopia

20.9808, 0.2427, 0.2332

Deuteranopia

20.9137, 0.3401, 0.3343



Tritanopia

20.6263, 0.5748, 0.3284

Trichromacy



Original Color

20.6409, 0.4781, 0.2488



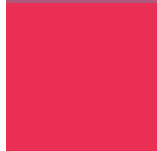
Protanomaly

16.7577, 0.3074, 0.2174



Deuteranomaly

17.6396, 0.3936, 0.2781



Tritanomaly

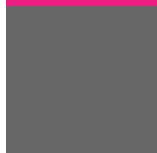
20.2563, 0.5462, 0.3003

Monochromacy



Original Color

20.6409, 0.4781, 0.2488



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.0141, 0.3818, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6409, 0.4781, 0.2488 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, 29, 129)` looks like.

```
.text, #text, p{  
    color:rgb(238, 29, 129)  
}
```

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, 29, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 29, 129) }
```

Border

The CSS property to change the border of an element to Yxy 20.6409, 0.4781, 0.2488 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, 29, 129) }
```

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

```
.border{ border-color:rgb(238, 29, 129) }
```

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

Here you see how a box with a 4 pixel rgb(238, 29, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 29, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 29, 129);  
box-shadow:4px 4px 4px 4px rgb(238, 29,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6409, 0.4781, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 29, 129) }
```

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

```
.background{ background-color: rgb(238, 29,  
129) }
```

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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