

Converting Colors

$Y_{xy}(20.1815, 0.4370, 0.2344)$

Have a look what the booklet for
Yxy(20.1815, 0.4370, 0.2344)
contains.

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Color

Yxy(20.2213, 0.4369, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	E32D90
RGB	227, 45, 144
RGB Percent	89%, 18%, 56%
CMY	0.1097, 0.8237, 0.4352
CMYK	0.00, 0.80, 0.37, 0.11
HSL	327°, 76%, 53%
HSV	327°, 80%, 89%
XYZ	37.6585, 20.2213, 28.3150
YIQ	110.7040, 76.6930, 69.3730

Conversions

Conversions Part 2

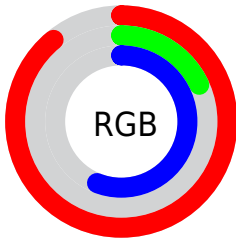
Format	Color
R_{YB}	227, 45, 144
Decimal	14888336
CIE _{Lab}	52.09, 73.76, -10.27
CIE _{LCh}	52, 74.471, 352.075
Yxy	20.2213, 0.4369, 0.2346
Android (android.graphics.Color)	4293078416 (0xFFE32D90)
YUV	110.7040, 16.4149, 101.9916
Hunter-Lab	44.9681, 70.7905, -5.8554

Details

The Yxy color **20.2213, 0.4369, 0.2346** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **57.0657, 0.2722, 0.4786**, and the grayscale version is **15.7353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7061, 0.3775, 0.2426**, and **8.9151, 0.4666, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **18.6306, 0.4589, 0.2358**, and if you desaturate by 10%, it is **22.7730, 0.4150, 0.2387**.

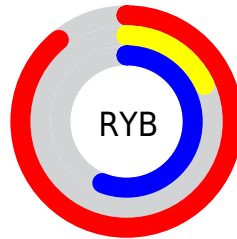
Distribution



Red (89%)

Green (18%)

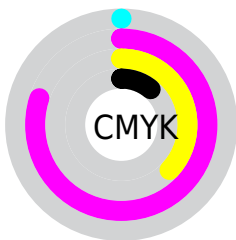
Blue (56%)



Red (89%)

Yellow (18%)

Blue (56%)

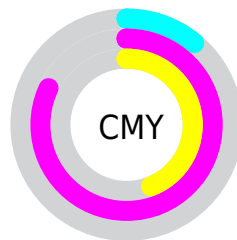


Cyan (0%)

Magenta (80%)

Yellow (37%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2213, 0.4369, 0.2346 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 20.2213, 0.4369, 0.2346 by changing the saturation by 10% instead.


 20.2213, 0.4369,
0.2346


 20.2213, 0.4369,
0.2346

253.1106, 0.3686,
0.2849


 12.5560, 0.4561,
0.2212


 43.7879, 0.4105,
0.2536


 7.1235, 0.4821,
0.2035


 60.4580, 0.4011,
0.2605


 3.5395, 0.5188,
0.1793

 80.8985, 0.3933,
0.2662

 1.4194, 0.5741,
0.1449

 105.4938, 0.3867,
0.2711

 0.2310, 0.6887,
0.0599

 134.6282, 0.3812,
0.2753

 0.0000, 1.0000,
0.0000

168.6863, 0.3764,

 0.0000, 0.0000,

0.2789

0.0000

208.0523, 0.3722,
0.2821

■ 20.2213, 0.4369,
0.2346

■ 20.2213, 0.4369,
0.2346

■ 18.6306, 0.4589,
0.2358

■ 22.7730, 0.4150,
0.2387


■ 17.7785, 0.4798,
0.2417

■ 26.4140, 0.3942,
0.2471

■ 31.2562, 0.3752,
0.2587

■ 37.3966, 0.3585,
0.2722

■ 44.9221, 0.3440,
0.2865

 53.9121, 0.3317,
0.3011

 64.4401, 0.3214,
0.3153

 76.5744, 0.3129,
0.3287

 90.3794, 0.3058,
0.3414

Harmonies

Analogous

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



20.2213, 0.2952, 0.1796



20.2213, 0.4369, 0.2346



20.2213, 0.5474, 0.3056

Triad

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



20.2213, 0.4369, 0.2346



20.2213, 0.3953, 0.5618



20.2213, 0.1089, 0.1905

Complementary

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



20.2213, 0.4369, 0.2346



57.0657, 0.2722, 0.4786

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.



20.2213, 0.1217, 0.2863



20.2213, 0.4369, 0.2346



20.2213, 0.2805, 0.5768

Square

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



20.2213, 0.4369, 0.2346



20.2213, 0.4995, 0.4740



20.2213, 0.1792, 0.4492



20.2213, 0.1303, 0.1526

Rectangle

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



20.2213, 0.4369, 0.2346



20.2213, 0.5693, 0.3569



20.2213, 0.1792, 0.4492



20.2213, 0.1091, 0.2146

Sweetspot

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



20.2224, 0.4369, 0.2346



65.3063, 0.3363, 0.2954



11.9236, 0.2155, 0.1092



13.0916, 0.3408, 0.2901



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.



20.2224, 0.4369, 0.2346



23.4771, 0.4726, 0.2394



18.4748, 0.5833, 0.3237



14.4986, 0.3208, 0.3163



10.3898, 0.4768, 0.2400



0.7865, 0.4478, 0.2240

Inverse Universe

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



20.2224, 0.4369, 0.2346



23.4771, 0.4726, 0.2394



60.5664, 0.2320, 0.3411



14.4986, 0.3208, 0.3163



10.3898, 0.4768, 0.2400



0.7865, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 20.2213, 0.4369, 0.2346 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 20.2213, 0.4369, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

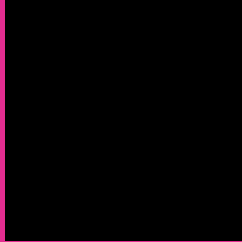
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2213, 0.4369, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 20.2213, 0.4369, 0.2346.



This preview shows how white text looks on a background with the Yxy color 20.2213, 0.4369, 0.2346.

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

20.2213, 0.4369, 0.2346

Protanopia

20.7027, 0.2262, 0.2131

Deuteranopia

20.3295, 0.3102, 0.3043



Tritanopia

20.2537, 0.5395, 0.3269

Trichromacy



Original Color

20.2213, 0.4369, 0.2346



Protanomaly

17.3387, 0.2806, 0.2061



Deuteranomaly

17.8792, 0.3566, 0.2609



Tritanomaly

19.9609, 0.5074, 0.2931

Monochromacy



Original Color

20.2213, 0.4369, 0.2346



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.0188, 0.3611, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2213, 0.4369, 0.2346 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(227, 45, 144)` looks like.

```
.text, #text, p{  
    color:rgb(227, 45, 144)  
}
```

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(227, 45, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 45, 144) }
```

Border

The CSS property to change the border of an element to Yxy 20.2213, 0.4369, 0.2346 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(227, 45, 144) }
```

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

```
.border{ border-color:rgb(227, 45, 144) }
```

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

Here you see how a box with a 4 pixel rgb(227, 45, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 45, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 45, 144);  
box-shadow:4px 4px 4px 4px rgb(227, 45,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2213, 0.4369, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 45, 144) }
```

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

```
.background{ background-color: rgb(227, 45,  
144) }
```

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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