

Converting Colors

$Y_{xy}(20.3503, 0.4963, 0.2508)$

Have a look what the booklet for
Yxy(20.3503, 0.4963, 0.2508)
contains.

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Color

Yxy(20.3073, 0.4960, 0.2506)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F2007B |
| RGB | 242, 0, 123 |
| RGB Percent | 95%, 0%, 48% |
| CMY | 0.0510, 0.9998, 0.5177 |
| CMYK | 0.00, 1.00, 0.49, 0.05 |
| HSL | 330°, 100%, 47% |
| HSV | 330°, 100%, 95% |
| XYZ | 40.1932, 20.3073, 20.5342 |
| YIQ | 86.3800, 104.7490, 89.5570 |

Conversions

Conversions Part 2

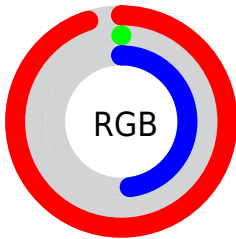
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 242, 0, 123 |
| Decimal | 15859835 |
| CIE _{Lab} | 52.18, 81.40, 2.86 |
| CIE _{LCh} | 52, 81.455, 2.015 |
| Yxy | 20.3073, 0.4960, 0.2506 |
| Android (android.graphics.Color) | 4294049915 (0xFFFF2007B) |
| YUV | 86.3800, 18.0537, 136.4787 |
| Hunter-Lab | 45.0636, 80.3467, 4.5278 |

Details

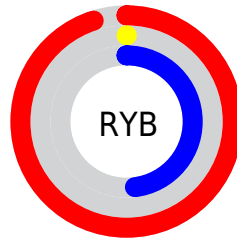
The Yxy color **20.3073, 0.4960, 0.2506** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **64.8403, 0.2740, 0.5063**, and the grayscale version is **9.3408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9045, 0.4088, 0.2526**, and **10.0917, 0.5295, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **20.3070, 0.4960, 0.2506**, and if you desaturate by 10%, it is **21.2874, 0.4726, 0.2435**.

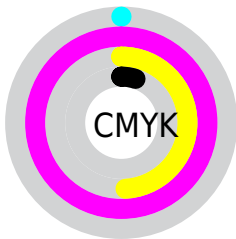
Distribution



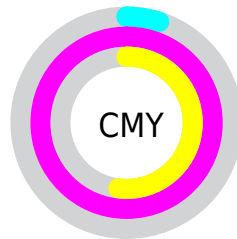
- Red (95%)
- Green (0%)
- Blue (48%)



- Red (95%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3073, 0.4960, 0.2506 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 20.3073, 0.4960, 0.2506 by changing the saturation by 10% instead.


 20.3073, 0.4960,
0.2506


 20.3073, 0.4960,
0.2506


253.5739, 0.3935,
0.2952


 12.6186, 0.5250,
0.2377

 43.9318, 0.4561,
0.2681

 7.1665, 0.5642,
0.2201


 60.6364, 0.4419,
0.2743

 3.5664, 0.6191,
0.1951

 81.1151, 0.4303,
0.2794

 1.4341, 0.6989,
0.1578

 105.7523, 0.4205,
0.2836

 0.2417, 0.9106,
0.0709

 134.9324, 0.4122,
0.2871

 0.0000, 1.0000,
0.0000

 169.0397, 0.4051,

 0.0000, 0.0000,

0.2902

0.0000

208.4588, 0.3989,
0.2928

■ 20.3073, 0.4960,
0.2506

■ 20.3073, 0.4960,
0.2506

■ 20.3070, 0.4960,
0.2506

■ 21.2874, 0.4726,
0.2435

■ 23.1286, 0.4483,
0.2414

■ 26.0894, 0.4241,
0.2447

■ 30.3241, 0.4011,
0.2524

■ 35.9625, 0.3802,
0.2632

■ 43.1180, 0.3619,
0.2759

■ 51.8925, 0.3462,
0.2894

■ 62.3787, 0.3329,
0.3031

■ 74.6626, 0.3219,
0.3164

Harmonies

Analogous

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



20.3073, 0.3416, 0.1863



20.3073, 0.4960, 0.2506



20.3073, 0.5839, 0.3261

Triad

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



20.3073, 0.4960, 0.2506



20.3073, 0.3541, 0.6001



20.3073, 0.1012, 0.1617

Complementary

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



20.3073, 0.4960, 0.2506



64.8403, 0.2740, 0.5063

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.



20.3073, 0.1011, 0.2376



20.3073, 0.4960, 0.2506



20.3073, 0.2348, 0.5734

Square

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



20.3073, 0.4960, 0.2506



20.3073, 0.4727, 0.5122



20.3073, 0.1420, 0.3953



20.3073, 0.1348, 0.1378

Rectangle

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



20.3073, 0.4960, 0.2506



20.3073, 0.5805, 0.3808



20.3073, 0.1420, 0.3953



20.3073, 0.0974, 0.1796

Sweetspot

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



20.3085, 0.4960, 0.2506



58.3291, 0.3463, 0.2893



10.1934, 0.1975, 0.0862



11.5433, 0.3527, 0.2835



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.



20.3085, 0.4960, 0.2506



22.8600, 0.4966, 0.2510



18.8878, 0.6388, 0.3293



15.8929, 0.3214, 0.3171



10.9364, 0.4924, 0.2486



0.9299, 0.4637, 0.2328

Inverse Universe

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



20.3085, 0.4960, 0.2506



22.8600, 0.4966, 0.2510



69.6781, 0.2261, 0.3339



15.8929, 0.3214, 0.3171



10.9364, 0.4924, 0.2486



0.9299, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 20.3073, 0.4960, 0.2506 looks on a white background.

Color Contrast Check

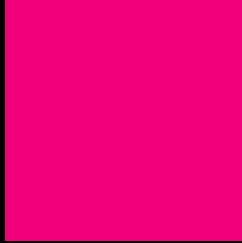
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3073, 0.4960, 0.2506 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 20.3073, 0.4960, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 20.3073, 0.4960, 0.2506.



This preview shows how white text looks on a background with the Yxy color 20.3073, 0.4960, 0.2506.

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

20.3073, 0.4960, 0.2506

Protanopia

20.9447, 0.2473, 0.2390

Deuteranopia

20.7066, 0.3503, 0.3431



Tritanopia

20.7691, 0.5915, 0.3298

Trichromacy



Original Color

20.3073, 0.4960, 0.2506



Protanomaly

15.3297, 0.3182, 0.2115



Deuteranomaly

16.1758, 0.4124, 0.2728



Tritanomaly

20.0270, 0.5676, 0.3013

Monochromacy



Original Color

20.3073, 0.4960, 0.2506



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.4729, 0.4011, 0.2542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3073, 0.4960, 0.2506 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(242, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 123)  
}
```

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(242, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 123) }
```

Border

The CSS property to change the border of an element to Yxy 20.3073, 0.4960, 0.2506 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(242, 0, 123) }
```

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

```
.border{ border-color:rgb(242, 0, 123) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3073, 0.4960, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 123) }
```

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

```
.background{ background-color: rgb(242, 0,  
123) }
```

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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