

Converting Colors

$Y_{xy}(20.2931, 0.5004, 0.2530)$

Have a look what the booklet for
Yxy(20.2931, 0.5004, 0.2530)
contains.

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Color

Yxy(20.2577, 0.4995, 0.2525)

Conversions

Conversions Part 1

Format	Color
Hex	F20079
RGB	242, 0, 121
RGB Percent	95%, 0%, 47%
CMY	0.0509, 1.0000, 0.5254
CMYK	0.00, 1.00, 0.50, 0.05
HSL	330°, 100%, 47%
HSV	330°, 100%, 95%
XYZ	40.0741, 20.2577, 19.8967
YIQ	86.1520, 105.3910, 88.9350

Conversions

Conversions Part 2

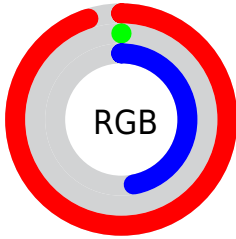
Format	Color
R_{YB}	242, 0, 121
Decimal	15859833
CIE _{Lab}	52.13, 81.27, 3.97
CIE _{LCh}	52, 81.370, 2.795
Yxy	20.2577, 0.4995, 0.2525
Android (android.graphics.Color)	4294049913 (0xFFFF20079)
YUV	86.1520, 17.1801, 136.6787
Hunter-Lab	45.0086, 80.1656, 5.2960

Details

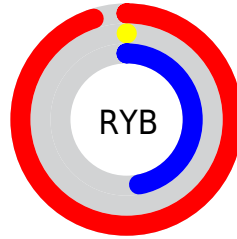
The Yxy color **20.2577, 0.4995, 0.2525** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **64.8924, 0.2732, 0.5036**, and the grayscale version is **9.2875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8265, 0.4114, 0.2546**, and **10.0647, 0.5341, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **20.2609, 0.4995, 0.2525**, and if you desaturate by 10%, it is **21.2383, 0.4757, 0.2452**.

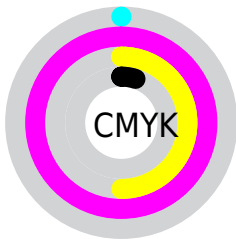
Distribution



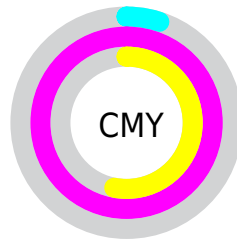
- Red (95%)
- Green (0%)
- Blue (47%)



- Red (95%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2577, 0.4995, 0.2525 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 20.2577, 0.4995, 0.2525 by changing the saturation by 10% instead.


 20.2577, 0.4995,
0.2525


 20.2577, 0.4995,
0.2525


253.3068, 0.3949,
0.2963


 12.5825, 0.5292,
0.2397


 43.8488, 0.4588,
0.2698

 7.1417, 0.5691,
0.2221


 60.5335, 0.4443,
0.2759


 3.5509, 0.6251,
0.1970

 80.9902, 0.4324,
0.2809

 1.4256, 0.7062,
0.1594

 105.6032, 0.4224,
0.2850

 0.2355, 0.9290,
0.0710

 134.7570, 0.4140,
0.2885

 0.0000, 1.0000,
0.0000

 168.8359, 0.4067,

 0.0000, 0.0000,

0.2915

0.0000

208.2244, 0.4004,
0.2941

■ 20.2577, 0.4995,
0.2525

■ 20.2577, 0.4995,
0.2525

■ 20.2609, 0.4995,
0.2525

■ 21.2383, 0.4757,
0.2452

■ 23.0780, 0.4509,
0.2430

■ 26.0383, 0.4261,
0.2461

■ 30.2736, 0.4027,
0.2535

■ 35.9137, 0.3814,
0.2641

■ 43.0721, 0.3627,
0.2766

■ 51.8508, 0.3467,
0.2900

■ 62.3426, 0.3332,
0.3035

■ 74.6336, 0.3220,
0.3166

Harmonies

Analogous

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



20.2577, 0.3456, 0.1878



20.2577, 0.4995, 0.2525



20.2577, 0.5846, 0.3282

Triad

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



20.2577, 0.4995, 0.2525



20.2577, 0.3509, 0.6014



20.2577, 0.1016, 0.1605

Complementary

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



20.2577, 0.4995, 0.2525



64.8924, 0.2732, 0.5036

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.



20.2577, 0.1007, 0.2347



20.2577, 0.4995, 0.2525



20.2577, 0.2319, 0.5701

Square

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



20.2577, 0.4995, 0.2525



20.2577, 0.4698, 0.5149



20.2577, 0.1403, 0.3902



20.2577, 0.1362, 0.1377

Rectangle

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



20.2577, 0.4995, 0.2525



20.2577, 0.5794, 0.3830



20.2577, 0.1403, 0.3902



20.2577, 0.0976, 0.1780

Sweetspot

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



20.2609, 0.4995, 0.2525



58.2973, 0.3468, 0.2899



10.1917, 0.1975, 0.0861



11.5357, 0.3533, 0.2842



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.



20.2609, 0.4995, 0.2525



22.8060, 0.5001, 0.2529



18.8885, 0.6388, 0.3293



15.8907, 0.3215, 0.3172



10.9105, 0.4958, 0.2505



0.9277, 0.4665, 0.2344

Inverse Universe

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



20.2609, 0.4995, 0.2525



22.8060, 0.5001, 0.2529



69.6842, 0.2261, 0.3339



15.8907, 0.3215, 0.3172



10.9105, 0.4958, 0.2505



0.9277, 0.4665, 0.2344

Previews

White Background



This preview shows how the Yxy color 20.2577, 0.4995, 0.2525 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 20.2577, 0.4995, 0.2525 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 20.2577, 0.4995, 0.2525

Background



This preview shows how black text looks on a background with the Yxy color 20.2577, 0.4995, 0.2525.



This preview shows how white text looks on a background with the Yxy color 20.2577, 0.4995, 0.2525.

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

20.2577, 0.4995, 0.2525

Protanopia

20.8900, 0.2505, 0.2433

Deuteranopia

20.6621, 0.3528, 0.3466



Tritanopia

20.6780, 0.5932, 0.3298

Trichromacy



Original Color

20.2577, 0.4995, 0.2525



Protanomaly

15.3295, 0.3237, 0.2156



Deuteranomaly

16.1293, 0.4159, 0.2756



Tritanomaly

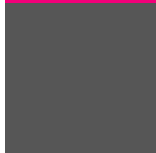
20.0132, 0.5691, 0.3021

Monochromacy



Original Color

20.2577, 0.4995, 0.2525



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 20.2577, 0.4995, 0.2525 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, 121)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 121) }
```

Border

The CSS property to change the border of an element to Yxy 20.2577, 0.4995, 0.2525 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, 121) }
```

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

```
.border{ border-color:rgb(242, 0, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2577, 0.4995, 0.2525 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, 121) }
```

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

```
.background{ background-color: rgb(242, 0,  
121) }
```

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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