

Converting Colors

Yxy(16.4417, 0.5183, 0.2210)

Have a look what the booklet for
Yxy(16.4417, 0.5183, 0.2210)
contains.

Yxy(20.4598, 0.4987, 0.2521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4598, 0.4987, 0.2521)

Conversions

Conversions Part 1

Format	Color
Hex	F3007A
RGB	243, 0, 122
RGB Percent	95%, 0%, 48%
CMY	0.0471, 0.9996, 0.5216
CMYK	0.00, 1.00, 0.50, 0.05
HSL	330°, 100%, 48%
HSV	330°, 100%, 95%
XYZ	40.4732, 20.4598, 20.2244
YIQ	86.5650, 105.6660, 89.4580

Conversions

Conversions Part 2

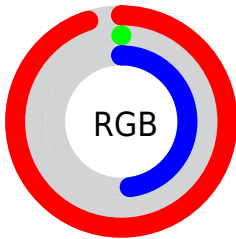
Format	Color
R_{YB}	243, 0, 122
Decimal	15925370
CIE _{Lab}	52.35, 81.54, 3.74
CIE _{LCh}	52, 81.626, 2.624
Yxy	20.4598, 0.4987, 0.2521
Android (android.graphics.Color)	4294115450 (0xFFFF3007A)
YUV	86.5650, 17.4695, 137.1935
Hunter-Lab	45.2325, 80.5617, 5.1529

Details

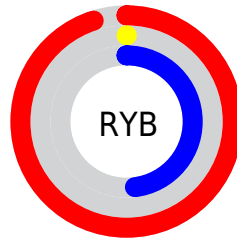
The Yxy color **20.4598, 0.4987, 0.2521** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **65.4823, 0.2734, 0.5042**, and the grayscale version is **9.3912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8654, 0.4101, 0.2536**, and **10.1977, 0.5328, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **20.4573, 0.4988, 0.2521**, and if you desaturate by 10%, it is **21.4479, 0.4750, 0.2449**.

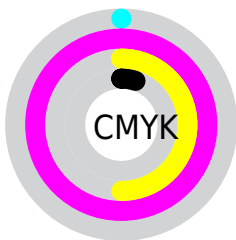
Distribution



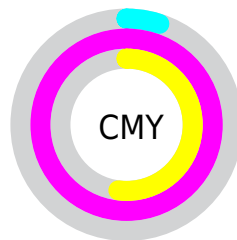
- Red (95%)
- Green (0%)
- Blue (48%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4598, 0.4987, 0.2521 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 20.4598, 0.4987, 0.2521 by changing the saturation by 10% instead.


 20.4598, 0.4987,
0.2521


 20.4598, 0.4987,
0.2521


254.3935, 0.3947,
0.2960


 12.7297, 0.5281,
0.2393


 44.1867, 0.4583,
0.2694


 7.2427, 0.5677,
0.2218


 60.9524, 0.4439,
0.2755

 3.6143, 0.6231,
0.1969

 81.4987, 0.4320,
0.2805

 1.4603, 0.7034,
0.1597

 106.2100, 0.4221,
0.2847

 0.2605, 0.9177,
0.0758

 135.4707, 0.4137,
0.2882

 0.0000, 1.0000,
0.0000

 169.6653, 0.4065,

 0.0000, 0.0000,

0.2912

0.0000

209.1781, 0.4002,
0.2938

■ 20.4598, 0.4987,
0.2521

■ 20.4598, 0.4987,
0.2521

■ 20.4573, 0.4988,
0.2521

■ 21.4479, 0.4750,
0.2449

■ 23.3076, 0.4503,
0.2427

■ 26.2990, 0.4256,
0.2458

■ 30.5779, 0.4023,
0.2533

■ 36.2752, 0.3811,
0.2640

■ 43.5056, 0.3625,
0.2765

■ 52.3720, 0.3466,
0.2899

■ 62.9682, 0.3331,
0.3034

■ 75.3810, 0.3219,
0.3166

Harmonies

Analogous

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



20.4598, 0.3447, 0.1875



20.4598, 0.4987, 0.2521



20.4598, 0.5844, 0.3278

Triad

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



20.4598, 0.4987, 0.2521



20.4598, 0.3516, 0.6010



20.4598, 0.1016, 0.1608

Complementary

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



20.4598, 0.4987, 0.2521



65.4823, 0.2734, 0.5042

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.



20.4598, 0.1008, 0.2353



20.4598, 0.4987, 0.2521



20.4598, 0.2325, 0.5708

Square

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



20.4598, 0.4987, 0.2521



20.4598, 0.4704, 0.5143



20.4598, 0.1407, 0.3913



20.4598, 0.1360, 0.1377

Rectangle

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



20.4598, 0.4987, 0.2521



20.4598, 0.5796, 0.3825



20.4598, 0.1407, 0.3913



20.4598, 0.0976, 0.1784

Sweetspot

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



20.4610, 0.4987, 0.2521



58.3040, 0.3467, 0.2898



10.2900, 0.1975, 0.0862



11.5373, 0.3532, 0.2840



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.



20.4610, 0.4987, 0.2521



22.8174, 0.4994, 0.2524



19.0653, 0.6388, 0.3293



16.6213, 0.3215, 0.3172



11.2555, 0.4953, 0.2502



1.0100, 0.4675, 0.2349

Inverse Universe

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



20.4610, 0.4987, 0.2521



22.8174, 0.4994, 0.2524



70.3278, 0.2261, 0.3339



16.6213, 0.3215, 0.3172



11.2555, 0.4953, 0.2502



1.0100, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 20.4598, 0.4987, 0.2521 looks on a white background.

Color Contrast Check

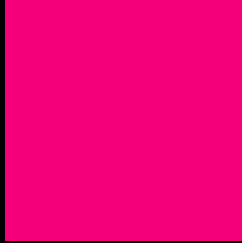
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4598, 0.4987, 0.2521 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 20.4598, 0.4987, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 20.4598, 0.4987, 0.2521.



This preview shows how white text looks on a background with the Yxy color 20.4598, 0.4987, 0.2521.

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

20.4598, 0.4987, 0.2521

Protanopia

21.1813, 0.2499, 0.2437

Deuteranopia

21.0182, 0.3525, 0.3465



Tritanopia

20.8526, 0.5936, 0.3298

Trichromacy



Original Color

20.4598, 0.4987, 0.2521



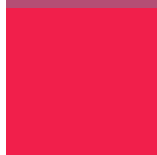
Protanomaly

15.5085, 0.3222, 0.2157



Deuteranomaly

16.4130, 0.4151, 0.2758



Tritanomaly

20.1887, 0.5696, 0.3023

Monochromacy



Original Color

20.4598, 0.4987, 0.2521



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5818, 0.4007, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4598, 0.4987, 0.2521 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(243, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(243, 0, 122)  
}
```

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(243, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 0, 122) }
```

Border

The CSS property to change the border of an element to Yxy 20.4598, 0.4987, 0.2521 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(243, 0, 122) }
```

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

```
.border{ border-color:rgb(243, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(243, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(243, 0,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4598, 0.4987, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 0, 122) }
```

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

```
.background{ background-color: rgb(243, 0,  
122) }
```

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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