

Converting Colors

$Y_{xy}(21.0472, 0.5170, 0.2622)$

Have a look what the booklet for
Yxy(21.0472, 0.5170, 0.2622)
contains.

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Color

Yxy(20.9891, 0.5163, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	F70072
RGB	247, 0, 114
RGB Percent	97%, 0%, 45%
CMY	0.0314, 0.9995, 0.5529
CMYK	0.00, 1.00, 0.54, 0.03
HSL	332°, 100%, 48%
HSV	332°, 100%, 97%
XYZ	41.3929, 20.9891, 17.7902
YIQ	86.8490, 110.6180, 87.8180

Conversions

Conversions Part 2

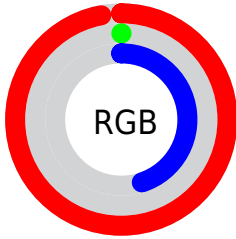
Format	Color
R_{YB}	247, 0, 114
Decimal	16187506
CIE _{Lab}	52.94, 81.85, 9.52
CIE _{LCh}	53, 82.401, 6.634
Yxy	20.9891, 0.5163, 0.2618
Android (android.graphics.Color)	4294377586 (0xFF70072)
YUV	86.8490, 13.3854, 140.4524
Hunter-Lab	45.8139, 81.1009, 9.0465

Details

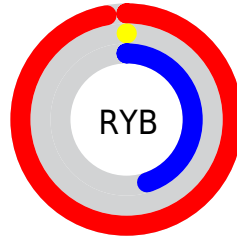
The Yxy color **20.9891, 0.5163, 0.2618** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **68.2136, 0.2695, 0.4903**, and the grayscale version is **9.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5260, 0.4220, 0.2624**, and **10.4725, 0.5513, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **20.9859, 0.5164, 0.2619**, and if you desaturate by 10%, it is **22.0010, 0.4905, 0.2536**.

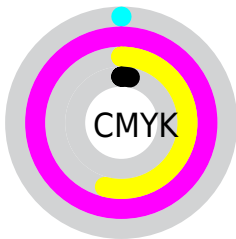
Distribution



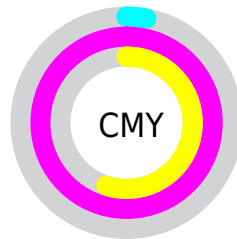
- Red (97%)
- Green (0%)
- Blue (45%)



- Red (97%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9891, 0.5163, 0.2618 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 20.9891, 0.5163, 0.2618 by changing the saturation by 10% instead.


 20.9891, 0.5163,
0.2618


 20.9891, 0.5163,
0.2618

257.2206, 0.4025,
0.3019


 13.1160, 0.5482,
0.2495


 45.0694, 0.4722,
0.2780

 7.5085, 0.5908,
0.2324


 62.0454, 0.4565,
0.2836

 3.7821, 0.6496,
0.2076

 82.8245, 0.4435,
0.2881

 1.5524, 0.7326,
0.1697

 107.7912, 0.4326,
0.2919

 0.3252, 0.9108,
0.0892

 137.3297, 0.4234,
0.2950

 0.0000, 1.0000,
0.0000

 171.8245, 0.4154,

 0.0000, 0.0000,

0.2976

0.0000

211.6600, 0.4086,
0.2999

■ 20.9891, 0.5163,
0.2618

■ 20.9891, 0.5163,
0.2618

■ 20.9859, 0.5164,
0.2619

■ 22.0010, 0.4905,
0.2536

■ 23.9255, 0.4633,
0.2505

■ 27.0313, 0.4360,
0.2527

■ 31.4812, 0.4102,
0.2593

■ 37.4118, 0.3869,
0.2690

■ 44.9429, 0.3666,
0.2806

■ 54.1818, 0.3492,
0.2930

■ 65.2265, 0.3347,
0.3055

■ 78.1674, 0.3226,
0.3176

Harmonies

Analogous

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



20.9891, 0.3656, 0.1948



20.9891, 0.5163, 0.2618



20.9891, 0.5875, 0.3383

Triad

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



20.9891, 0.5163, 0.2618



20.9891, 0.3353, 0.6070



20.9891, 0.1040, 0.1552

Complementary

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



20.9891, 0.5163, 0.2618



68.2136, 0.2695, 0.4903

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.



20.9891, 0.0988, 0.2211



20.9891, 0.5163, 0.2618



20.9891, 0.2177, 0.5529

Square

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



20.9891, 0.5163, 0.2618



20.9891, 0.4553, 0.5282



20.9891, 0.1323, 0.3658



20.9891, 0.1434, 0.1372

Rectangle

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



20.9891, 0.5163, 0.2618



20.9891, 0.5737, 0.3943



20.9891, 0.1323, 0.3658



20.9891, 0.0986, 0.1705

Sweetspot

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



20.9904, 0.5163, 0.2618



58.1443, 0.3494, 0.2928



11.6064, 0.2073, 0.0916



11.4997, 0.3564, 0.2876



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.



20.9904, 0.5163, 0.2618



22.5591, 0.5168, 0.2621



19.9543, 0.6383, 0.3313



16.6097, 0.3221, 0.3181



11.1277, 0.5124, 0.2597



0.9985, 0.4823, 0.2430

Inverse Universe

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



20.9904, 0.5163, 0.2618



22.5591, 0.5168, 0.2621



68.3096, 0.2218, 0.3184



16.6097, 0.3221, 0.3181



11.1277, 0.5124, 0.2597



0.9985, 0.4823, 0.2430

Previews

White Background



This preview shows how the Yxy color 20.9891, 0.5163, 0.2618 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 20.9891, 0.5163, 0.2618 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 20.9891, 0.5163, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 20.9891, 0.5163, 0.2618.



This preview shows how white text looks on a background with the Yxy color 20.9891, 0.5163, 0.2618.

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

20.9891, 0.5163, 0.2618

Protanopia

21.4899, 0.2655, 0.2627

Deuteranopia

21.4613, 0.3672, 0.3616



Tritanopia

21.2993, 0.5996, 0.3299

Trichromacy



Original Color

20.9891, 0.5163, 0.2618



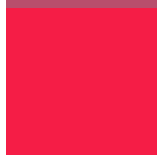
Protanomaly

15.8120, 0.3447, 0.2312



Deuteranomaly

16.7218, 0.4344, 0.2883



Tritanomaly

20.7334, 0.5793, 0.3064

Monochromacy



Original Color

20.9891, 0.5163, 0.2618



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.6152, 0.4088, 0.2586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9891, 0.5163, 0.2618 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(247, 0, 114)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 114)  
}
```

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(247, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 114) }
```

Border

The CSS property to change the border of an element to Yxy 20.9891, 0.5163, 0.2618 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(247, 0, 114) }
```

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

```
.border{ border-color:rgb(247, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9891, 0.5163, 0.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 114) }
```

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

```
.background{ background-color: rgb(247, 0,  
114) }
```

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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