

Converting Colors

$Y_{xy}(20.2180, 0.5195, 0.2702)$

Have a look what the booklet for
Yxy(20.2180, 0.5195, 0.2702)
contains.

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Color

Yxy(20.2401, 0.5194, 0.2702)

Conversions

Conversions Part 1

Format	Color
Hex	F0186B
RGB	240, 24, 107
RGB Percent	94%, 9%, 42%
CMY	0.0589, 0.9052, 0.5805
CMYK	0.00, 0.90, 0.55, 0.06
HSL	337°, 88%, 52%
HSV	337°, 90%, 94%
XYZ	38.9071, 20.2401, 15.7606
YIQ	98.0460, 102.0930, 71.6050

Conversions

Conversions Part 2

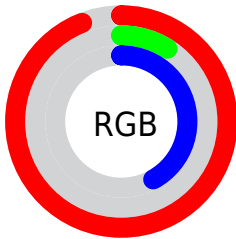
Format	Color
R_{YB}	240, 24, 107
Decimal	15734891
CIE _{Lab}	52.11, 77.68, 12.42
CIE _{LCh}	52, 78.669, 9.081
Yxy	20.2401, 0.5194, 0.2702
Android (android.graphics.Color)	4293924971 (0xFFFF0186B)
YUV	98.0460, 4.4143, 124.4937
Hunter-Lab	44.9890, 75.6386, 10.7217

Details

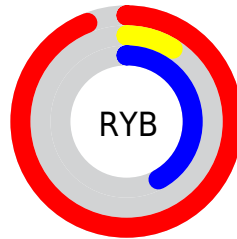
The Yxy color **20.2401, 0.5194, 0.2702** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **64.9380, 0.2594, 0.4476**, and the grayscale version is **12.2190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2314, 0.4297, 0.2737**, and **9.6734, 0.5612, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **19.2997, 0.5483, 0.2794**, and if you desaturate by 10%, it is **22.0470, 0.4878, 0.2656**.

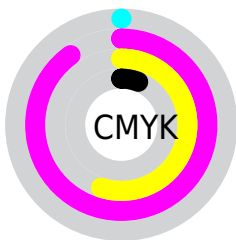
Distribution



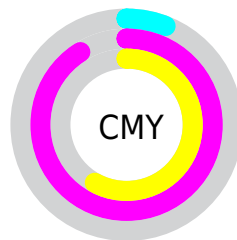
- Red (94%)
- Green (9%)
- Blue (42%)



- Red (94%)
- Yellow (9%)
- Blue (42%)



- Cyan (0%)
- Magenta (90%)
- Yellow (55%)
- Black (6%)




- Cyan (6%)
- Magenta (91%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2401, 0.5194, 0.2702 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 20.2401, 0.5194, 0.2702 by changing the saturation by 10% instead.


 20.2401, 0.5194,
0.2702


 20.2401, 0.5194,
0.2702


253.2120, 0.4030,
0.3067


 12.5697, 0.5524,
0.2584


 43.8194, 0.4740,
0.2854


 7.1329, 0.5966,
0.2416


 60.4970, 0.4579,
0.2905


 3.5454, 0.6577,
0.2165

 80.9459, 0.4446,
0.2946

 1.4226, 0.7480,
0.1780

 105.5503, 0.4335,
0.2979

 0.2333, 0.9249,
0.0751

 134.6947, 0.4241,
0.3007

 0.0000, 1.0000,
0.0000

168.7636, 0.4161,

 0.0000, 0.0000,

0.3030

0.0000

208.1412, 0.4091,
0.3050

■ 20.2401, 0.5194,
0.2702

■ 20.2401, 0.5194,
0.2702

■ 19.2997, 0.5483,
0.2794

■ 22.0470, 0.4878,
0.2656

■ 19.2940, 0.5485,
0.2795

■ 24.9694, 0.4557,
0.2663

■ 29.1608, 0.4253,
0.2712

■ 34.7492, 0.3979,
0.2790

■ 41.8466, 0.3742,
0.2886

■ 50.5539, 0.3542,
0.2990

■ 60.9630, 0.3375,
0.3094

■ 73.1587, 0.3238,
0.3195

■ 87.2203, 0.3126,
0.3291

Harmonies

Analogous

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



20.2401, 0.3768, 0.2028



20.2401, 0.5194, 0.2702



20.2401, 0.5807, 0.3466

Triad

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



20.2401, 0.5194, 0.2702



20.2401, 0.3275, 0.6003



20.2401, 0.1101, 0.1567

Complementary

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



20.2401, 0.5194, 0.2702



64.9380, 0.2594, 0.4476

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.



20.2401, 0.1025, 0.2171



20.2401, 0.5194, 0.2702



20.2401, 0.2130, 0.5319

Square

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



20.2401, 0.5194, 0.2702



20.2401, 0.4448, 0.5328



20.2401, 0.1326, 0.3509



20.2401, 0.1522, 0.1414

Rectangle

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



20.2401, 0.5194, 0.2702



20.2401, 0.5636, 0.4027



20.2401, 0.1326, 0.3509



20.2401, 0.1040, 0.1706

Sweetspot

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



20.2413, 0.5194, 0.2702



61.2233, 0.3491, 0.3019



13.7855, 0.2315, 0.1089



12.2848, 0.3552, 0.2984



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.



20.2413, 0.5194, 0.2702



22.1391, 0.5493, 0.2800



20.5211, 0.6129, 0.3394



15.8592, 0.3233, 0.3200



10.5890, 0.5443, 0.2772



0.8998, 0.5088, 0.2577

Inverse Universe

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



20.2413, 0.5194, 0.2702



22.1391, 0.5493, 0.2800



56.8306, 0.2180, 0.3002



15.8592, 0.3233, 0.3200



10.5890, 0.5443, 0.2772



0.8998, 0.5088, 0.2577

Previews

White Background



This preview shows how the Yxy color 20.2401, 0.5194, 0.2702 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 20.2401, 0.5194, 0.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

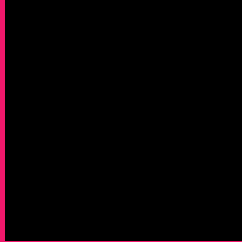
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2401, 0.5194, 0.2702

Background



This preview shows how black text looks on a background with the Yxy color 20.2401, 0.5194, 0.2702.



This preview shows how white text looks on a background with the Yxy color 20.2401, 0.5194, 0.2702.

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

20.2401, 0.5194, 0.2702

Protanopia

20.5668, 0.2760, 0.2778

Deuteranopia

20.4991, 0.3762, 0.3689



Tritanopia

20.2428, 0.5940, 0.3298

Trichromacy



Original Color

20.2401, 0.5194, 0.2702



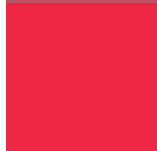
Protanomaly

16.4384, 0.3538, 0.2547



Deuteranomaly

17.2603, 0.4382, 0.3068



Tritanomaly

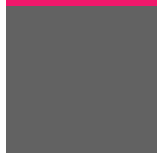
20.0579, 0.5731, 0.3102

Monochromacy



Original Color

20.2401, 0.5194, 0.2702



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9301, 0.4012, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2401, 0.5194, 0.2702 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(240, 24, 107)` looks like.

```
.text, #text, p{  
    color:rgb(240, 24, 107)  
}
```

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(240, 24, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 24, 107) }
```

Border

The CSS property to change the border of an element to Yxy 20.2401, 0.5194, 0.2702 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(240, 24, 107) }
```

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

```
.border{ border-color:rgb(240, 24, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 24, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 24, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 24, 107);  
box-shadow:4px 4px 4px 4px rgb(240, 24,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2401, 0.5194, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 24, 107) }
```

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

```
.background{ background-color: rgb(240, 24,  
107) }
```

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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