

Converting Colors

$Y_{xy}(20.2592, 0.5135, 0.2669)$

Have a look what the booklet for
Yxy(20.2592, 0.5135, 0.2669)
contains.

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Color

Yxy(20.3043, 0.5142, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	F0186E
RGB	240, 24, 110
RGB Percent	94%, 9%, 43%
CMY	0.0589, 0.9056, 0.5686
CMYK	0.00, 0.90, 0.54, 0.06
HSL	336°, 88%, 52%
HSV	336°, 90%, 94%
XYZ	39.0736, 20.3043, 16.6112
YIQ	98.3880, 101.1300, 72.5380

Conversions

Conversions Part 2

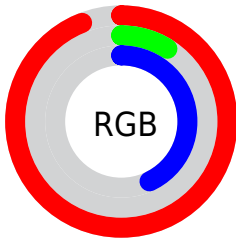
Format	Color
R_{YB}	240, 24, 110
Decimal	15734894
CIE Lab	52.18, 77.90, 10.68
CIE LCh	52, 78.631, 7.809
Yxy	20.3043, 0.5142, 0.2672
Android (android.graphics.Color)	4293924974 (0xFFFF0186E)
YUV	98.3880, 5.7247, 124.1937
Hunter-Lab	45.0603, 75.9291, 9.6853

Details

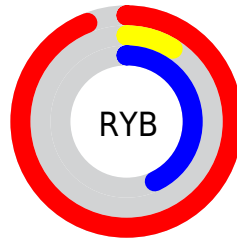
The Yxy color **20.3043, 0.5142, 0.2672** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **64.8442, 0.2607, 0.4523**, and the grayscale version is **12.2928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3360, 0.4257, 0.2707**, and **9.7060, 0.5546, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **19.3613, 0.5426, 0.2763**, and if you desaturate by 10%, it is **22.1099, 0.4834, 0.2629**.

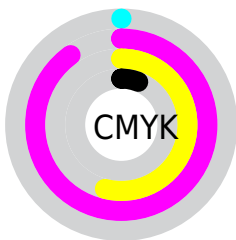
Distribution



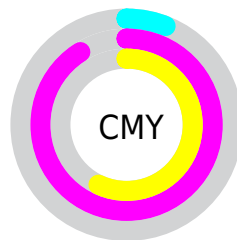
- Red (94%)
- Green (9%)
- Blue (43%)



- Red (94%)
- Yellow (9%)
- Blue (43%)



- Cyan (0%)
- Magenta (90%)
- Yellow (54%)
- Black (6%)



- Cyan (6%)
- Magenta (91%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3043, 0.5142, 0.2672 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 20.3043, 0.5142, 0.2672 by changing the saturation by 10% instead.


 20.3043, 0.5142,
0.2672


 20.3043, 0.5142,
0.2672


253.5577, 0.4008,
0.3048


 12.6164, 0.5464,
0.2553


 43.9268, 0.4700,
0.2827

 7.1650, 0.5896,
0.2386


 60.6302, 0.4543,
0.2879


 3.5655, 0.6496,
0.2137

 81.1076, 0.4414,
0.2921

 1.4336, 0.7366,
0.1753

 105.7433, 0.4306,
0.2956

 0.2413, 0.9232,
0.0768

 134.9218, 0.4214,
0.2985

 0.0000, 1.0000,
0.0000

169.0274, 0.4136,

 0.0000, 0.0000,

0.3009

0.0000

208.4446, 0.4068,
0.3030

■ 20.3043, 0.5142,
0.2672

■ 20.3043, 0.5142,
0.2672

■ 19.3613, 0.5426,
0.2763

■ 22.1099, 0.4834,
0.2629

■ 19.3588, 0.5427,
0.2763

■ 25.0286, 0.4522,
0.2638

■ 29.2136, 0.4226,
0.2690

■ 34.7928, 0.3959,
0.2771

■ 41.8784, 0.3728,
0.2871

■ 50.5710, 0.3533,
0.2978

■ 60.9624, 0.3371,
0.3087

■ 73.1375, 0.3237,
0.3191

■ 87.1754, 0.3127,
0.3290

Harmonies

Analogous

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



20.3043, 0.3703, 0.2005



20.3043, 0.5142, 0.2672



20.3043, 0.5800, 0.3433

Triad

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



20.3043, 0.5142, 0.2672



20.3043, 0.3326, 0.5990



20.3043, 0.1093, 0.1584

Complementary

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



20.3043, 0.5142, 0.2672



64.8442, 0.2607, 0.4523

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.



20.3043, 0.1032, 0.2213



20.3043, 0.5142, 0.2672



20.3043, 0.2176, 0.5379

Square

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



20.3043, 0.5142, 0.2672



20.3043, 0.4495, 0.5285



20.3043, 0.1352, 0.3583



20.3043, 0.1498, 0.1416

Rectangle

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



20.3043, 0.5142, 0.2672



20.3043, 0.5656, 0.3990



20.3043, 0.1352, 0.3583



20.3043, 0.1036, 0.1730

Sweetspot

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



20.3055, 0.5142, 0.2672



61.2731, 0.3483, 0.3010



13.7801, 0.2315, 0.1088



12.2964, 0.3543, 0.2972



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.



20.3055, 0.5142, 0.2672



22.2090, 0.5435, 0.2768



20.5177, 0.6130, 0.3394



15.8631, 0.3231, 0.3196



10.6229, 0.5385, 0.2740



0.9028, 0.5036, 0.2548

Inverse Universe

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



20.3055, 0.5142, 0.2672



22.2090, 0.5435, 0.2768



56.8351, 0.2180, 0.3002



15.8631, 0.3231, 0.3196



10.6229, 0.5385, 0.2740



0.9028, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 20.3043, 0.5142, 0.2672 looks on a white background.

Color Contrast Check

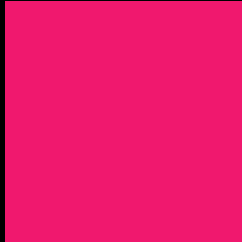
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3043, 0.5142, 0.2672 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 20.3043, 0.5142, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 20.3043, 0.5142, 0.2672.



This preview shows how white text looks on a background with the Yxy color 20.3043, 0.5142, 0.2672.

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

20.3043, 0.5142, 0.2672

Protanopia

20.6315, 0.2712, 0.2713

Deuteranopia

20.4640, 0.3711, 0.3639



Tritanopia

20.3318, 0.5924, 0.3298

Trichromacy



Original Color

20.3043, 0.5142, 0.2672



Protanomaly

16.5543, 0.3479, 0.2491



Deuteranomaly

17.1998, 0.4319, 0.3023



Tritanomaly

20.0831, 0.5704, 0.3086

Monochromacy



Original Color

20.3043, 0.5142, 0.2672



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9498, 0.3993, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3043, 0.5142, 0.2672 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, 110)` looks like.

```
.text, #text, p{  
  color:rgb(240, 24, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 24, 110) }
```

Border

The CSS property to change the border of an element to Yxy 20.3043, 0.5142, 0.2672 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, 110) }
```

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

```
.border{ border-color:rgb(240, 24, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 24, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 24, 110);  
box-shadow:4px 4px 4px 4px rgb(240, 24,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3043, 0.5142, 0.2672 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, 110) }
```

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

```
.background{ background-color: rgb(240, 24,  
110) }
```

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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