

Converting Colors

$Yxy(20.4314, 0.5744, 0.3017)$

Have a look what the booklet for
Yxy(20.4314, 0.5744, 0.3017)
contains.

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Color

Yxy(20.4228, 0.5746, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	F4194A
RGB	244, 25, 74
RGB Percent	96%, 10%, 29%
CMY	0.0431, 0.9021, 0.7097
CMYK	0.00, 0.90, 0.70, 0.04
HSL	347°, 91%, 53%
HSV	347°, 90%, 96%
XYZ	38.8961, 20.4228, 8.3736
YIQ	96.0670, 114.7950, 61.6670

Conversions

Conversions Part 2

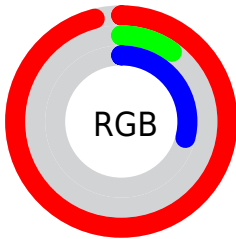
Format	Color
R_{YB}	244, 25, 74
Decimal	15997258
CIE Lab	52.31, 76.77, 32.73
CIE LCh	52, 83.453, 23.090
Yxy	20.4228, 0.5746, 0.3017
Android (android.graphics.Color)	4294187338 (0xFFFF4194A)
YUV	96.0670, -10.8790, 129.7372
Hunter-Lab	45.1916, 74.5483, 20.6483

Details

The Yxy color **20.4228, 0.5746, 0.3017** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **68.8543, 0.2447, 0.3955**, and the grayscale version is **11.7167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1679, 0.4775, 0.3102**, and **9.6826, 0.6138, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **19.5244, 0.6041, 0.3103**, and if you desaturate by 10%, it is **22.2527, 0.5375, 0.2961**.

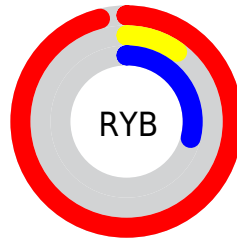
Distribution



Red (96%)

Green (10%)

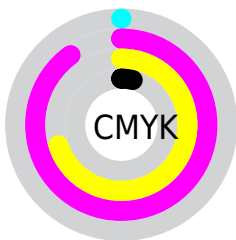
Blue (29%)



Red (96%)

Yellow (10%)

Blue (29%)

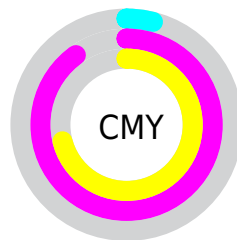


Cyan (0%)

Magenta (90%)

Yellow (70%)

Black (4%)



Cyan (4%)


Magenta (90%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4228, 0.5746, 0.3017 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 20.4228, 0.5746, 0.3017 by changing the saturation by 10% instead.


 20.4228, 0.5746,
0.3017


 20.4228, 0.5746,
0.3017


254.1949, 0.4289,
0.3278


 12.7028, 0.6131,
0.2900


 44.1249, 0.5193,
0.3149


 7.2242, 0.6621,
0.2717


 60.8758, 0.4991,
0.3186


 3.6027, 0.7289,
0.2440

 81.4057, 0.4823,
0.3214

 1.4539, 0.8043,
0.1957

 106.0990, 0.4682,
0.3234

 0.2559, 0.9181,
0.0819

 135.3402, 0.4562,
0.3250

 0.0000, 1.0000,
0.0000

169.5137, 0.4458,

 0.0000, 0.0000,

0.3261

0.0000

209.0038, 0.4368,
0.3271

■ 20.4228, 0.5746,
0.3017

■ 20.4228, 0.5746,
0.3017

■ 19.5244, 0.6041,
0.3103

■ 22.2527, 0.5375,
0.2961

■ 19.5079, 0.6047,
0.3105

■ 25.2700, 0.4969,
0.2943

■ 29.6372, 0.4572,
0.2960

■ 35.4903, 0.4212,
0.3000

■ 42.9486, 0.3903,
0.3054

■ 52.1190, 0.3645,
0.3115

■ 63.0994, 0.3434,
0.3176

■ 75.9803, 0.3263,
0.3236

■ 90.8458, 0.3124,
0.3291

Harmonies

Analogous

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



20.4228, 0.4554, 0.2277



20.4228, 0.5746, 0.3017



20.4228, 0.5832, 0.3829

Triad

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



20.4228, 0.5746, 0.3017



20.4228, 0.2671, 0.6075



20.4228, 0.1183, 0.1382

Complementary

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



20.4228, 0.5746, 0.3017



68.8543, 0.2447, 0.3955

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.



20.4228, 0.0948, 0.1746



20.4228, 0.5746, 0.3017



20.4228, 0.1614, 0.4574

Square

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



20.4228, 0.5746, 0.3017



20.4228, 0.3895, 0.5836



20.4228, 0.1050, 0.2735



20.4228, 0.1808, 0.1387

Rectangle

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



20.4228, 0.5746, 0.3017



20.4228, 0.5379, 0.4463



20.4228, 0.1050, 0.2735



20.4228, 0.1068, 0.1454

Sweetspot

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



20.4241, 0.5746, 0.3017



60.6848, 0.3583, 0.3132



18.5511, 0.2677, 0.1285



12.1599, 0.3662, 0.3110



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.



20.4241, 0.5746, 0.3017



21.5564, 0.6052, 0.3107



25.5504, 0.5812, 0.3657



16.5433, 0.3258, 0.3237



10.6228, 0.6010, 0.3084



0.9486, 0.5668, 0.2896

Inverse Universe

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



20.4241, 0.5746, 0.3017



21.5564, 0.6052, 0.3107



41.6888, 0.2039, 0.2485



16.5433, 0.3258, 0.3237



10.6228, 0.6010, 0.3084



0.9486, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 20.4228, 0.5746, 0.3017 looks on a white background.

Color Contrast Check

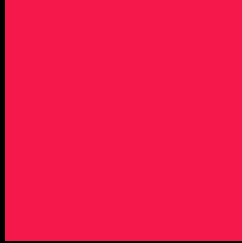
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4228, 0.5746, 0.3017 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 20.4228, 0.5746, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 20.4228, 0.5746, 0.3017.



This preview shows how white text looks on a background with the Yxy color 20.4228, 0.5746, 0.3017.

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

20.4228, 0.5746, 0.3017

Protanopia

20.6555, 0.3410, 0.3601

Deuteranopia

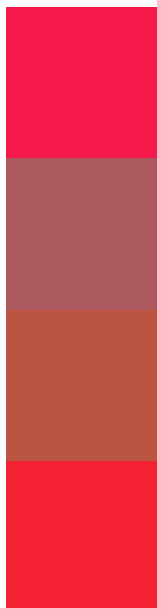
20.7493, 0.4280, 0.4209



Tritanopia

20.4933, 0.6127, 0.3312

Trichromacy



Original Color

20.4228, 0.5746, 0.3017

Protanomaly

16.8735, 0.4332, 0.3189

Deuteranomaly

17.4551, 0.5005, 0.3533

Tritanomaly

20.3642, 0.6017, 0.3219

Monochromacy



Original Color

20.4228, 0.5746, 0.3017

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5689, 0.4272, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4228, 0.5746, 0.3017 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(244, 25, 74)` looks like.

```
.text, #text, p{  
    color:rgb(244, 25, 74)  
}
```

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(244, 25, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 25, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.4228, 0.5746, 0.3017 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(244, 25, 74) }
```

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

```
.border{ border-color:rgb(244, 25, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 25, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 25, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 25, 74);  
box-shadow:4px 4px 4px 4px rgb(244, 25,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4228, 0.5746, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 25, 74) }
```

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

```
.background{ background-color: rgb(244, 25,  
74) }
```

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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