

Converting Colors

$Y_{xy}(20.1929, 0.5711, 0.2964)$

Have a look what the booklet for
Yxy(20.1929, 0.5711, 0.2964)
contains.

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Color

Yxy(20.1841, 0.5708, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	F4114E
RGB	244, 17, 78
RGB Percent	96%, 7%, 31%
CMY	0.0431, 0.9331, 0.6941
CMYK	0.00, 0.93, 0.68, 0.04
HSL	344°, 91%, 51%
HSV	344°, 93%, 96%
XYZ	38.8832, 20.1841, 9.0532
YIQ	91.8270, 115.7110, 67.0950

Conversions

Conversions Part 2

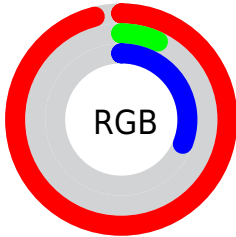
Format	Color
R_{YB}	244, 17, 78
Decimal	15995214
CIE _{Lab}	52.04, 77.88, 30.03
CIE _{LCh}	52, 83.466, 21.084
Yxy	20.1841, 0.5708, 0.2963
Android (android.graphics.Color)	4294185294 (0xFFFF4114E)
YUV	91.8270, -6.8167, 133.4557
Hunter-Lab	44.9267, 75.8664, 19.5011

Details

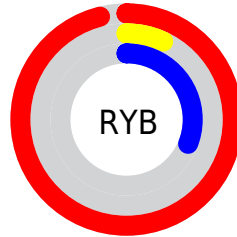
The Yxy color **20.1841, 0.5708, 0.2963** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **68.2410, 0.2490, 0.4130**, and the grayscale version is **10.6645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7160, 0.4725, 0.3025**, and **9.7051, 0.6082, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **19.6203, 0.5912, 0.3030**, and if you desaturate by 10%, it is **21.6921, 0.5362, 0.2892**.

Distribution



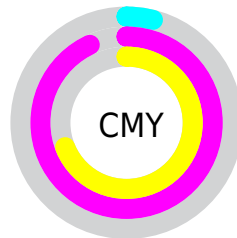
- Red (96%)
- Green (7%)
- Blue (31%)



- Red (96%)
- Yellow (7%)
- Blue (31%)



- Cyan (0%)
- Magenta (93%)
- Yellow (68%)
- Black (4%)





- Cyan (4%)
- Magenta (93%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1841, 0.5708, 0.2963 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 20.1841, 0.5708, 0.2963 by changing the saturation by 10% instead.


 20.1841, 0.5708,
0.2963


 20.1841, 0.5708,
0.2963


252.9100, 0.4267,
0.3244

 12.5289, 0.6094,
0.2844


 43.7256, 0.5158,
0.3100


 7.1050, 0.6589,
0.2660


 60.3808, 0.4958,
0.3140


 3.5278, 0.7247,
0.2377

 80.8047, 0.4792,
0.3170

 1.4131, 0.8086,
0.1914

 105.3818, 0.4653,
0.3193

 0.2264, 0.9268,
0.0732

 134.4965, 0.4534,
0.3211

 0.0000, 1.0000,
0.0000

 168.5332, 0.4433,

 0.0000, 0.0000,

0.3225

0.0000

207.8762, 0.4344,
0.3236

■ 20.1841, 0.5708,
0.2963

■ 20.1841, 0.5708,
0.2963

■ 19.6203, 0.5912,
0.3030

■ 21.6921, 0.5362,
0.2892

■ 24.3205, 0.4980,
0.2865

■ 28.2421, 0.4599,
0.2879

■ 33.5987, 0.4250,
0.2923

■ 40.5135, 0.3945,
0.2985

■ 49.0963, 0.3688,
0.3056

■ 59.4470, 0.3477,
0.3130

■ 71.6573, 0.3304,
0.3202

■ 85.8128, 0.3164,
0.3270

Harmonies

Analogous

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



20.1841, 0.4452, 0.2228



20.1841, 0.5708, 0.2963



20.1841, 0.5866, 0.3768

Triad

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



20.1841, 0.5708, 0.2963



20.1841, 0.2747, 0.6124



20.1841, 0.1152, 0.1388

Complementary

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



20.1841, 0.5708, 0.2963



68.2410, 0.2490, 0.4130

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.



20.1841, 0.0939, 0.1783



20.1841, 0.5708, 0.2963



20.1841, 0.1665, 0.4717

Square

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



20.1841, 0.5708, 0.2963



20.1841, 0.3977, 0.5785



20.1841, 0.1066, 0.2830



20.1841, 0.1747, 0.1372

Rectangle

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



20.1841, 0.5708, 0.2963



20.1841, 0.5442, 0.4394



20.1841, 0.1066, 0.2830



20.1841, 0.1044, 0.1468

Sweetspot

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



20.1854, 0.5708, 0.2963



59.6759, 0.3578, 0.3093



16.6014, 0.2542, 0.1196



11.7551, 0.3674, 0.3061



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.



20.1854, 0.5708, 0.2963



21.6831, 0.5917, 0.3033



23.1966, 0.6011, 0.3541



16.5556, 0.3251, 0.3227



10.6880, 0.5872, 0.3008



0.9558, 0.5519, 0.2814

Inverse Universe

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



20.1854, 0.5708, 0.2963



21.6831, 0.5917, 0.3033



45.6042, 0.2070, 0.2619



16.5556, 0.3251, 0.3227



10.6880, 0.5872, 0.3008



0.9558, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 20.1841, 0.5708, 0.2963 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 20.1841, 0.5708, 0.2963 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 20.1841, 0.5708, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 20.1841, 0.5708, 0.2963.



This preview shows how white text looks on a background with the Yxy color 20.1841, 0.5708, 0.2963.

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

20.1841, 0.5708, 0.2963

Protanopia

20.6280, 0.3314, 0.3492

Deuteranopia

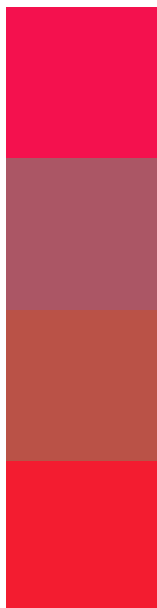
20.3712, 0.4211, 0.4135



Tritanopia

20.3557, 0.6158, 0.3315

Trichromacy



Original Color

20.1841, 0.5708, 0.2963

Protanomaly

16.2531, 0.4241, 0.3067

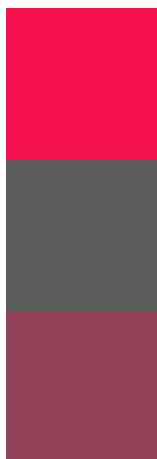
Deuteranomaly

16.9286, 0.4953, 0.3436

Tritanomaly

20.0986, 0.6048, 0.3206

Monochromacy



Original Color

20.1841, 0.5708, 0.2963

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.6718, 0.4278, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1841, 0.5708, 0.2963 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, 17, 78)` looks like.

```
.text, #text, p{  
  color:rgb(244, 17, 78)  
}
```

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, 17, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 17, 78) }
```

Border

The CSS property to change the border of an element to Yxy 20.1841, 0.5708, 0.2963 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, 17, 78) }
```

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

```
.border{ border-color:rgb(244, 17, 78) }
```

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

Here you see how a box with a 4 pixel rgb(244, 17, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 17, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 17, 78);  
box-shadow:4px 4px 4px 4px rgb(244, 17,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1841, 0.5708, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 17, 78) }
```

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

```
.background{ background-color: rgb(244, 17,  
78) }
```

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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