

Converting Colors

$Y_{xy}(20.7900, 0.5466, 0.2888)$

Have a look what the booklet for
Yxy(20.7900, 0.5466, 0.2888)
contains.

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Color

Yxy(20.7900, 0.5466, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	F31F5B
RGB	243, 31, 91
RGB Percent	95%, 12%, 36%
CMY	0.0471, 0.8780, 0.6431
CMYK	0.00, 0.87, 0.63, 0.05
HSL	343°, 90%, 54%
HSV	343°, 87%, 95%
XYZ	39.3348, 20.7900, 11.8379
YIQ	101.2280, 107.0920, 63.6040

Conversions

Conversions Part 2

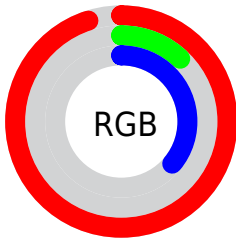
Format	Color
R_{YB}	243, 31, 91
Decimal	15933275
CIE Lab	52.72, 76.40, 23.03
CIE LCh	53, 79.798, 16.771
Yxy	20.7900, 0.5466, 0.2889
Android (android.graphics.Color)	4294123355 (0xFFFF31F5B)
YUV	101.2280, -5.0424, 124.3340
Hunter-Lab	45.5961, 74.1951, 16.5241

Details

The Yxy color **20.7900, 0.5466, 0.2889** 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 **67.8023, 0.2499, 0.4116**, and the grayscale version is **13.0827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2862, 0.4509, 0.2937**, and **9.7810, 0.5902, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **19.6870, 0.5785, 0.2977**, and if you desaturate by 10%, it is **22.9130, 0.5099, 0.2845**.

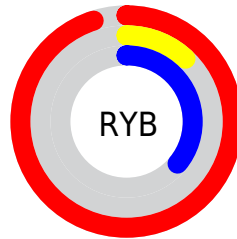
Distribution



Red (95%)

Green (12%)

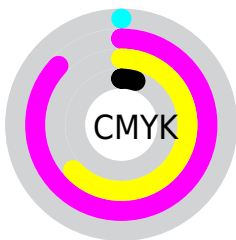
Blue (36%)



Red (95%)

Yellow (12%)

Blue (36%)

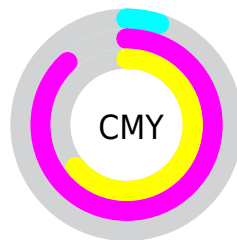


Cyan (0%)

Magenta (87%)

Yellow (63%)

Black (5%)



Cyan (5%)

Magenta (88%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7900, 0.5466, 0.2889 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 20.7900, 0.5466, 0.2889 by changing the saturation by 10% instead.


 20.7900, 0.5466,
0.2889


 20.7900, 0.5466,
0.2889

256.1603, 0.4156,
0.3182

 12.9706, 0.5827,
0.2778


 44.7378, 0.4961,
0.3022


 7.4083, 0.6299,
0.2613


 61.6349, 0.4779,
0.3064

 3.7187, 0.6927,
0.2353

 82.3268, 0.4629,
0.3096

 1.5175, 0.8008,
0.1992

 107.1977, 0.4503,
0.3121

 0.3010, 0.9073,
0.0927

 136.6322, 0.4397,
0.3141

 0.0000, 1.0000,
0.0000

171.0145, 0.4305,

 0.0000, 0.0000,

0.3158

0.0000

210.7291, 0.4225,
0.3171

■ 20.7900, 0.5466,
0.2889

■ 20.7900, 0.5466,
0.2889

■ 19.6870, 0.5785,
0.2977

■ 22.9130, 0.5099,
0.2845


■ 19.4764, 0.5864,
0.3004

■ 26.2464, 0.4721,
0.2845

■ 30.9422, 0.4364,
0.2880


■ 37.1287, 0.4047,
0.2940

■ 44.9194, 0.3777,
0.3012

 54.4169, 0.3552,
0.3089

 65.7148, 0.3367,
0.3166

 78.9003, 0.3217,
0.3240

 94.0545, 0.3096,
0.3309

Harmonies

Analogous

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



20.7900, 0.4169, 0.2181



20.7900, 0.5466, 0.2889



20.7900, 0.5800, 0.3672

Triad

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



20.7900, 0.5466, 0.2889



20.7900, 0.2966, 0.6011



20.7900, 0.1167, 0.1487

Complementary

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



20.7900, 0.5466, 0.2889



67.8023, 0.2499, 0.4116

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.



20.7900, 0.1006, 0.1952



20.7900, 0.5466, 0.2889



20.7900, 0.1870, 0.4900

Square

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



20.7900, 0.5466, 0.2889



20.7900, 0.4155, 0.5573



20.7900, 0.1197, 0.3083



20.7900, 0.1691, 0.1421

Rectangle

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



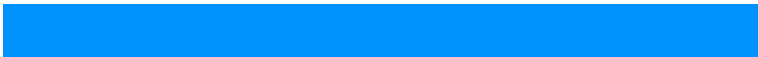
20.7900, 0.5466, 0.2889



20.7900, 0.5483, 0.4261



20.7900, 0.1197, 0.3083



20.7900, 0.1077, 0.1588

Sweetspot

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



20.7913, 0.5466, 0.2889



62.0530, 0.3529, 0.3098



17.5156, 0.2585, 0.1252



12.4296, 0.3601, 0.3071



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.



20.7913, 0.5466, 0.2889



21.7291, 0.5870, 0.3008



24.4590, 0.5841, 0.3584



16.5595, 0.3249, 0.3223



10.7115, 0.5824, 0.2982



0.9583, 0.5470, 0.2787

Inverse Universe

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



20.7913, 0.5466, 0.2889



21.7291, 0.5870, 0.3008



46.7272, 0.2095, 0.2665



16.5595, 0.3249, 0.3223



10.7115, 0.5824, 0.2982



0.9583, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 20.7900, 0.5466, 0.2889 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 20.7900, 0.5466, 0.2889 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 20.7900, 0.5466, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 20.7900, 0.5466, 0.2889.



This preview shows how white text looks on a background with the Yxy color 20.7900, 0.5466, 0.2889.

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

20.7900, 0.5466, 0.2889

Protanopia

21.1226, 0.3107, 0.3218

Deuteranopia

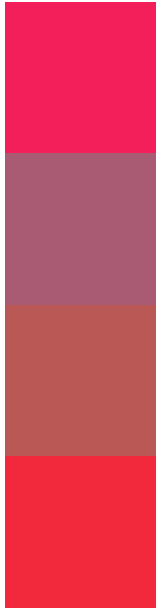
20.9442, 0.4019, 0.3958



Tritanopia

20.7594, 0.5995, 0.3304

Trichromacy



Original Color

20.7900, 0.5466, 0.2889

Protanomaly

17.2892, 0.3952, 0.2911

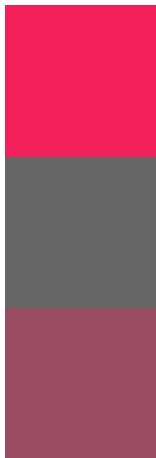
Deuteranomaly

17.9496, 0.4671, 0.3335

Tritanomaly

20.7318, 0.5848, 0.3172

Monochromacy



Original Color

20.7900, 0.5466, 0.2889

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8043, 0.4108, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7900, 0.5466, 0.2889 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(243, 31, 91)` looks like.

```
.text, #text, p{  
    color:rgb(243, 31, 91)  
}
```

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(243, 31, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 31, 91) }
```

Border

The CSS property to change the border of an element to Yxy 20.7900, 0.5466, 0.2889 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(243, 31, 91) }
```

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

```
.border{ border-color:rgb(243, 31, 91) }
```

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

Here you see how a box with a 4 pixel rgb(243, 31, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 31, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 31, 91);  
box-shadow:4px 4px 4px 4px rgb(243, 31,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7900, 0.5466, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 31, 91) }
```

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

```
.background{ background-color: rgb(243, 31,  
91) }
```

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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