

Converting Colors

$Y_{xy}(20.1801, 0.5491, 0.2798)$

Have a look what the booklet for
Yxy(20.1801, 0.5491, 0.2798)
contains.

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Color

Yxy(20.2206, 0.5488, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	F5005E
RGB	245, 0, 94
RGB Percent	96%, 0%, 37%
CMY	0.0392, 0.9996, 0.6314
CMYK	0.00, 1.00, 0.62, 0.04
HSL	337°, 100%, 48%
HSV	337°, 100%, 96%
XYZ	39.6749, 20.2206, 12.3984
YIQ	83.9710, 115.8460, 81.1740

Conversions

Conversions Part 2

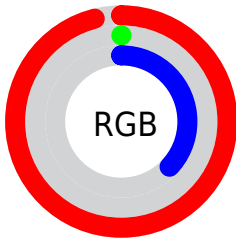
Format	Color
R _Y B	245, 0, 94
Decimal	16056414
CIE Lab	52.09, 80.20, 20.45
CIE LCh	52, 82.770, 14.304
Yxy	20.2206, 0.5488, 0.2797
Android (android.graphics.Color)	4294246494 (0xFFFF5005E)
YUV	83.9710, 4.9443, 141.2224
Hunter-Lab	44.9673, 78.7986, 15.1297

Details

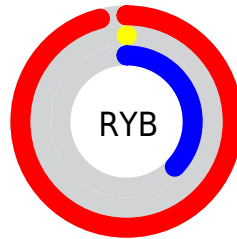
The Yxy color **20.2206, 0.5488, 0.2797** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **67.5406, 0.2617, 0.4622**, and the grayscale version is **8.8443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6394, 0.4508, 0.2827**, and **10.0455, 0.5860, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **20.2182, 0.5489, 0.2798**, and if you desaturate by 10%, it is **21.1964, 0.5199, 0.2704**.

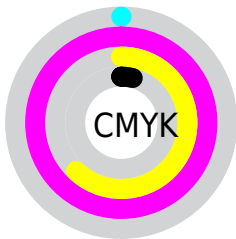
Distribution



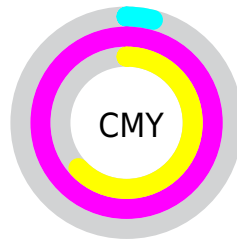
- Red (96%)
- Green (0%)
- Blue (37%)



- Red (96%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2206, 0.5488, 0.2797 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 20.2206, 0.5488, 0.2797 by changing the saturation by 10% instead.


 20.2206, 0.5488,
0.2797


 20.2206, 0.5488,
0.2797


253.1069, 0.4162,
0.3136

 12.5555, 0.5855,
0.2676


 43.7867, 0.4976,
0.2946

 7.1232, 0.6338,
0.2499


 60.4565, 0.4792,
0.2994

 3.5393, 0.6981,
0.2227


 80.8967, 0.4640,
0.3031

 1.4193, 0.8108,
0.1856

 105.4917, 0.4513,
0.3061

 0.2309, 0.9287,
0.0713

 134.6257, 0.4405,
0.3085

 0.0000, 1.0000,
0.0000

 168.6834, 0.4312,

 0.0000, 0.0000,

0.3105

0.0000

208.0490, 0.4232,
0.3122

■ 20.2206, 0.5488,
0.2797

■ 20.2206, 0.5488,
0.2797

■ 20.2182, 0.5489,
0.2798

■ 21.1964, 0.5199,
0.2704

■ 23.0777, 0.4883,
0.2657

■ 26.1301, 0.4562,
0.2663

■ 30.5141, 0.4256,
0.2712

■ 36.3646, 0.3982,
0.2790

■ 43.7995, 0.3744,
0.2886

■ 52.9250, 0.3543,
0.2989

■ 63.8376, 0.3376,
0.3094

■ 76.6269, 0.3239,
0.3195

Harmonies

Analogous

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



20.2206, 0.4077, 0.2087



20.2206, 0.5488, 0.2797



20.2206, 0.5909, 0.3581

Triad

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



20.2206, 0.5488, 0.2797



20.2206, 0.3029, 0.6156



20.2206, 0.1086, 0.1449

Complementary

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



20.2206, 0.5488, 0.2797



67.5406, 0.2617, 0.4622

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.



20.2206, 0.0947, 0.1960



20.2206, 0.5488, 0.2797



20.2206, 0.1890, 0.5143

Square

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



20.2206, 0.5488, 0.2797



20.2206, 0.4255, 0.5560



20.2206, 0.1166, 0.3197



20.2206, 0.1581, 0.1359

Rectangle

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



20.2206, 0.5488, 0.2797



20.2206, 0.5607, 0.4173



20.2206, 0.1166, 0.3197



20.2206, 0.1003, 0.1561

Sweetspot

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



20.2219, 0.5488, 0.2797



57.8457, 0.3545, 0.2988



12.8015, 0.2217, 0.0995



11.4296, 0.3626, 0.2944



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.



20.2219, 0.5488, 0.2797



22.1372, 0.5494, 0.2800



20.0900, 0.6336, 0.3350



16.5877, 0.3233, 0.3200



10.9175, 0.5447, 0.2774



0.9790, 0.5109, 0.2588

Inverse Universe

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



20.2219, 0.5488, 0.2797



22.1372, 0.5494, 0.2800



58.0456, 0.2158, 0.2967



16.5877, 0.3233, 0.3200



10.9175, 0.5447, 0.2774



0.9790, 0.5109, 0.2588

Previews

White Background



This preview shows how the Yxy color 20.2206, 0.5488, 0.2797 looks on a white background.

Color Contrast Check

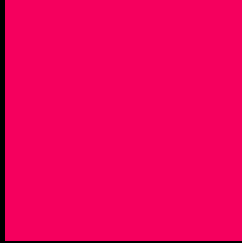
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2206, 0.5488, 0.2797 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 20.2206, 0.5488, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 20.2206, 0.5488, 0.2797.



This preview shows how white text looks on a background with the Yxy color 20.2206, 0.5488, 0.2797.

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

20.2206, 0.5488, 0.2797

Protanopia

20.8333, 0.2997, 0.3075

Deuteranopia

20.6368, 0.3990, 0.3913



Tritanopia

20.5623, 0.6115, 0.3312

Trichromacy



Original Color

20.2206, 0.5488, 0.2797



Protanomaly

15.5528, 0.3902, 0.2675



Deuteranomaly

16.1713, 0.4736, 0.3150



Tritanomaly

20.1719, 0.5979, 0.3145

Monochromacy



Original Color

20.2206, 0.5488, 0.2797



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.0904, 0.4264, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2206, 0.5488, 0.2797 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(245, 0, 94)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 94)  
}
```

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(245, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.2206, 0.5488, 0.2797 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(245, 0, 94) }
```

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

```
.border{ border-color:rgb(245, 0, 94) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.2206, 0.5488, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 94) }
```

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

```
.background{ background-color: rgb(245, 0,  
94) }
```

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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