

Converting Colors

$Yxy(19.9218, 0.5744, 0.2938)$

Have a look what the booklet for
Yxy(19.9218, 0.5744, 0.2938)
contains.

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Color

Yxy(19.9625, 0.5740, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	F5004E
RGB	245, 0, 78
RGB Percent	96%, 0%, 31%
CMY	0.0393, 0.9993, 0.6942
CMYK	0.00, 1.00, 0.68, 0.04
HSL	341°, 100%, 48%
HSV	341°, 100%, 96%
XYZ	39.0275, 19.9625, 9.0022
YIQ	82.1470, 120.9820, 76.1980

Conversions

Conversions Part 2

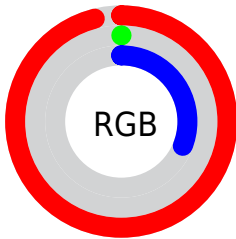
Format	Color
R_{YB}	245, 0, 78
Decimal	16056398
CIE _{Lab}	51.79, 79.41, 29.76
CIE _{LCh}	52, 84.807, 20.543
Yxy	19.9625, 0.5740, 0.2936
Android (android.graphics.Color)	4294246478 (0xFFFF5004E)
YUV	82.1470, -2.0445, 142.8221
Hunter-Lab	44.6794, 77.7309, 19.3296

Details

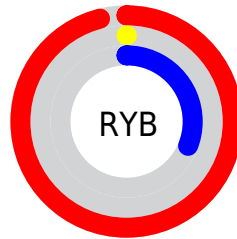
The Yxy color **19.9625, 0.5740, 0.2936** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **68.0938, 0.2550, 0.4381**, and the grayscale version is **8.4760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1580, 0.4740, 0.2999**, and **9.8246, 0.6085, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **19.9580, 0.5742, 0.2937**, and if you desaturate by 10%, it is **20.9124, 0.5438, 0.2840**.

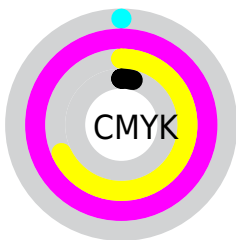
Distribution



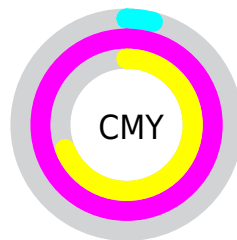
- Red (96%)
- Green (0%)
- Blue (31%)



- Red (96%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9625, 0.5740, 0.2936 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 19.9625, 0.5740, 0.2936 by changing the saturation by 10% instead.


 19.9625, 0.5740,
0.2936


 19.9625, 0.5740,
0.2936

251.7120, 0.4280,
0.3233


 12.3678, 0.6131,
0.2812


 43.3543, 0.5183,
0.3079


 6.9947, 0.6632,
0.2623


 59.9202, 0.4980,
0.3122


 3.4588, 0.7298,
0.2333

 80.2452, 0.4812,
0.3154

 1.3757, 0.8138,
0.1862

 104.7139, 0.4671,
0.3178

 0.1987, 0.9357,
0.0643

 133.7105, 0.4551,
0.3197

 0.0000, 1.0000,
0.0000

 167.6194, 0.4448,

 0.0000, 0.0000,

0.3212

0.0000

206.8252, 0.4358,
0.3223

■ 19.9625, 0.5740,
0.2936

■ 19.9625, 0.5740,
0.2936

■ 19.9580, 0.5742,
0.2937

■ 20.9124, 0.5438,
0.2840

■ 22.7783, 0.5092,
0.2785

■ 25.8263, 0.4732,
0.2779

■ 30.2175, 0.4388,
0.2813

■ 36.0877, 0.4078,
0.2875

■ 43.5559, 0.3810,
0.2954

■ 52.7288, 0.3586,
0.3040

■ 63.7039, 0.3401,
0.3127

■ 76.5713, 0.3249,
0.3211

Harmonies

Analogous

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



19.9625, 0.4446, 0.2198



19.9625, 0.5740, 0.2936



19.9625, 0.5911, 0.3743

Triad

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



19.9625, 0.5740, 0.2936



19.9625, 0.2750, 0.6194



19.9625, 0.1121, 0.1366

Complementary

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



19.9625, 0.5740, 0.2936



68.0938, 0.2550, 0.4381

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.



19.9625, 0.0912, 0.1770



19.9625, 0.5740, 0.2936



19.9625, 0.1654, 0.4786

Square

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



19.9625, 0.5740, 0.2936



19.9625, 0.3996, 0.5803



19.9625, 0.1044, 0.2843



19.9625, 0.1711, 0.1346

Rectangle

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



19.9625, 0.5740, 0.2936



19.9625, 0.5483, 0.4374



19.9625, 0.1044, 0.2843



19.9625, 0.1015, 0.1449

Sweetspot

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



19.9638, 0.5740, 0.2936



57.6031, 0.3589, 0.3039



14.4228, 0.2370, 0.1080



11.3730, 0.3679, 0.3002



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.



19.9638, 0.5740, 0.2936



21.8548, 0.5747, 0.2940



20.9949, 0.6254, 0.3415



16.5693, 0.3244, 0.3215



10.7754, 0.5700, 0.2913



0.9649, 0.5347, 0.2719

Inverse Universe

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



19.9638, 0.5740, 0.2936



21.8548, 0.5747, 0.2940



49.8665, 0.2095, 0.2740



16.5693, 0.3244, 0.3215



10.7754, 0.5700, 0.2913



0.9649, 0.5347, 0.2719

Previews

White Background



This preview shows how the Yxy color 19.9625, 0.5740, 0.2936 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 19.9625, 0.5740, 0.2936 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 19.9625, 0.5740, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 19.9625, 0.5740, 0.2936.



This preview shows how white text looks on a background with the Yxy color 19.9625, 0.5740, 0.2936.

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

19.9625, 0.5740, 0.2936

Protanopia

20.6509, 0.3302, 0.3473

Deuteranopia

20.3712, 0.4211, 0.4135



Tritanopia

20.3453, 0.6200, 0.3317

Trichromacy



Original Color

19.9625, 0.5740, 0.2936



Protanomaly

15.4673, 0.4274, 0.2967



Deuteranomaly

16.0629, 0.5012, 0.3358



Tritanomaly

19.9307, 0.6097, 0.3194

Monochromacy



Original Color

19.9625, 0.5740, 0.2936



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.7128, 0.4397, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9625, 0.5740, 0.2936 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 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(245, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 78) }
```

Border

The CSS property to change the border of an element to Yxy 19.9625, 0.5740, 0.2936 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, 78) }
```

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

```
.border{ border-color:rgb(245, 0, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.9625, 0.5740, 0.2936 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, 78) }
```

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

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