

Converting Colors

$Yxy(20.0884, 0.5718, 0.2924)$

Have a look what the booklet for
Yxy(20.0884, 0.5718, 0.2924)
contains.

Yxy(20.1720, 0.5716, 0.2922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.1720, 0.5716, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	F60050
RGB	246, 0, 80
RGB Percent	96%, 0%, 31%
CMY	0.0352, 1.0000, 0.6863
CMYK	0.00, 1.00, 0.67, 0.04
HSL	340°, 100%, 48%
HSV	340°, 100%, 96%
XYZ	39.4604, 20.1720, 9.4026
YIQ	82.6740, 120.9360, 77.0320

Conversions

Conversions Part 2

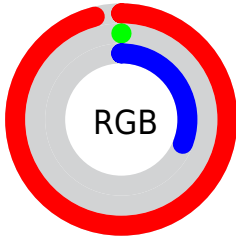
Format	Color
RYB	246, 0, 80
Decimal	16121936
CIELab	52.03, 79.76, 28.89
CIELCh	52, 84.836, 19.912
Yxy	20.1720, 0.5716, 0.2922
Android (android.graphics.Color)	4294312016 (0xFFFF60050)
YUV	82.6740, -1.3183, 143.2369
Hunter-Lab	44.9132, 78.2302, 19.0270

Details

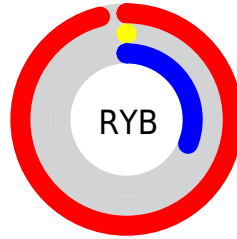
The Yxy color **20.1720, 0.5716, 0.2922** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **68.6804, 0.2558, 0.4409**, and the grayscale version is **8.5662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2107, 0.4713, 0.2979**, and **9.9511, 0.6075, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **20.1763, 0.5716, 0.2922**, and if you desaturate by 10%, it is **21.1312, 0.5415, 0.2826**.

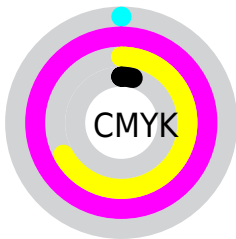
Distribution



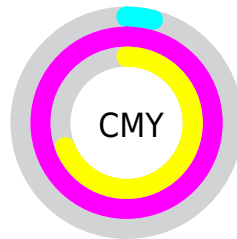
- Red (96%)
- Green (0%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1720, 0.5716, 0.2922 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 20.1720, 0.5716, 0.2922 by changing the saturation by 10% instead.


 20.1720, 0.5716,
0.2922


 20.1720, 0.5716,
0.2922


252.8447, 0.4270,
0.3223

 12.5201, 0.6104,
0.2799


 43.7054, 0.5164,
0.3065

 7.0990, 0.6602,
0.2613


 60.3557, 0.4963,
0.3108

 3.5241, 0.7257,
0.2324

 80.7742, 0.4797,
0.3141

 1.4111, 0.8131,
0.1869

 105.3454, 0.4657,
0.3166

 0.2249, 0.9296,
0.0704

 134.4537, 0.4539,
0.3185

 0.0000, 1.0000,
0.0000

 168.4834, 0.4436,

 0.0000, 0.0000,

0.3200

0.0000

207.8189, 0.4348,
0.3213

■ 20.1720, 0.5716,
0.2922

■ 20.1720, 0.5716,
0.2922

■ 20.1763, 0.5716,
0.2922

■ 21.1312, 0.5415,
0.2826

■ 23.0078, 0.5072,
0.2771

■ 26.0755, 0.4716,
0.2766

■ 30.4975, 0.4376,
0.2801

■ 36.4108, 0.4069,
0.2865

■ 43.9358, 0.3805,
0.2946

■ 53.1802, 0.3583,
0.3034

■ 64.2426, 0.3399,
0.3123

■ 77.2138, 0.3249,
0.3209

Harmonies

Analogous

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



20.1720, 0.4408, 0.2187



20.1720, 0.5716, 0.2922



20.1720, 0.5912, 0.3726

Triad

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



20.1720, 0.5716, 0.2922



20.1720, 0.2779, 0.6193



20.1720, 0.1117, 0.1374

Complementary

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



20.1720, 0.5716, 0.2922



68.6804, 0.2558, 0.4409

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.



20.1720, 0.0916, 0.1788



20.1720, 0.5716, 0.2922



20.1720, 0.1677, 0.4824

Square

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



20.1720, 0.5716, 0.2922



20.1720, 0.4023, 0.5778



20.1720, 0.1055, 0.2878



20.1720, 0.1697, 0.1347

Rectangle

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



20.1720, 0.5716, 0.2922



20.1720, 0.5496, 0.4352



20.1720, 0.1055, 0.2878



20.1720, 0.1014, 0.1460

Sweetspot

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



20.1763, 0.5716, 0.2922



57.6298, 0.3584, 0.3033



14.5495, 0.2370, 0.1079



11.3792, 0.3673, 0.2996



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.



20.1763, 0.5716, 0.2922



21.8832, 0.5720, 0.2925



21.1833, 0.6256, 0.3415



16.5714, 0.3242, 0.3213



10.7898, 0.5673, 0.2899



0.9664, 0.5321, 0.2705

Inverse Universe

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



20.1763, 0.5716, 0.2922



21.8832, 0.5720, 0.2925



50.3276, 0.2094, 0.2740



16.5714, 0.3242, 0.3213



10.7898, 0.5673, 0.2899



0.9664, 0.5321, 0.2705

Previews

White Background



This preview shows how the Yxy color 20.1720, 0.5716, 0.2922 looks on a white background.

Color Contrast Check

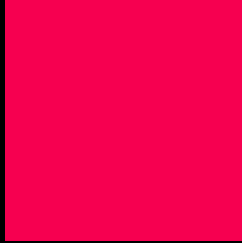
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1720, 0.5716, 0.2922 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 20.1720, 0.5716, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 20.1720, 0.5716, 0.2922.

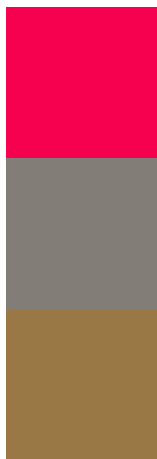


This preview shows how white text looks on a background with the Yxy color 20.1720, 0.5716, 0.2922.

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

20.1720, 0.5716, 0.2922

Protanopia

20.7211, 0.3268, 0.3418

Deuteranopia

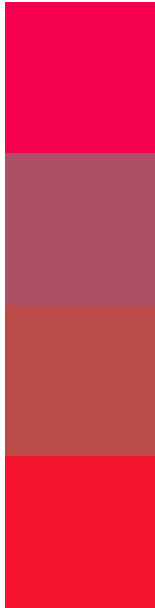
20.7326, 0.4192, 0.4116



Tritanopia

20.5293, 0.6196, 0.3314

Trichromacy



Original Color

20.1720, 0.5716, 0.2922

Protanomaly

15.5075, 0.4239, 0.2937

Deuteranomaly

16.2147, 0.4991, 0.3333

Tritanomaly

20.1180, 0.6090, 0.3189

Monochromacy



Original Color

20.1720, 0.5716, 0.2922

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.9062, 0.4384, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1720, 0.5716, 0.2922 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(246, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(246, 0, 80)  
}
```

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(246, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 0, 80) }
```

Border

The CSS property to change the border of an element to Yxy 20.1720, 0.5716, 0.2922 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(246, 0, 80) }
```

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

```
.border{ border-color:rgb(246, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(246, 0, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1720, 0.5716, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 0, 80) }
```

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

```
.background{ background-color: rgb(246, 0,  
80) }
```

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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