

Converting Colors

$Y_{xy}(20.7082, 0.5839, 0.3157)$

Have a look what the booklet for
Yxy(20.7082, 0.5839, 0.3157)
contains.

Yxy(20.6761, 0.5841, 0.3160)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6761, 0.5841, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	F2273E
RGB	242, 39, 62
RGB Percent	95%, 15%, 24%
CMY	0.0509, 0.8472, 0.7568
CMYK	0.00, 0.84, 0.74, 0.05
HSL	353°, 89%, 55%
HSV	353°, 84%, 95%
XYZ	38.2181, 20.6761, 6.5365
YIQ	102.3190, 113.6050, 50.1890

Conversions

Conversions Part 2

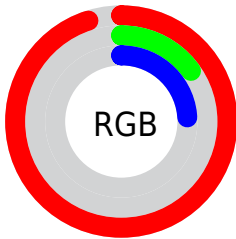
Format	Color
R _Y B	242, 39, 62
Decimal	15869758
CIE Lab	52.59, 73.39, 39.95
CIE LCh	53, 83.556, 28.565
Yxy	20.6761, 0.5841, 0.3160
Android (android.graphics.Color)	4294059838 (0xFFFF2273E)
YUV	102.3190, -19.8773, 122.5002
Hunter-Lab	45.4710, 70.4539, 23.3067

Details

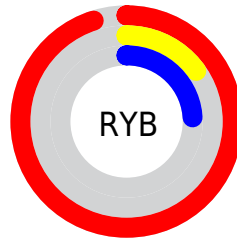
The Yxy color **20.6761, 0.5841, 0.3160** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **69.0584, 0.2359, 0.3590**, and the grayscale version is **13.4023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1109, 0.4890, 0.3276**, and **9.3941, 0.6269, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **19.3726, 0.6157, 0.3208**, and if you desaturate by 10%, it is **23.0862, 0.5426, 0.3132**.

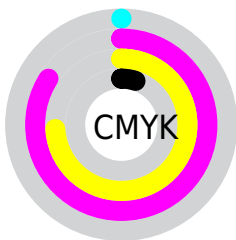
Distribution



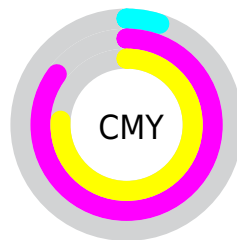
- Red (95%)
- Green (15%)
- Blue (24%)



- Red (95%)
- Yellow (15%)
- Blue (24%)



- Cyan (0%)
- Magenta (84%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (85%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6761, 0.5841, 0.3160 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 20.6761, 0.5841, 0.3160 by changing the saturation by 10% instead.


 20.6761, 0.5841,
0.3160

 20.6761, 0.5841,
0.3160


255.5521, 0.4348,
0.3369


 12.8874, 0.6222,
0.3045


 44.5478, 0.5282,
0.3280

 7.3511, 0.6694,
0.2860


 61.3997, 0.5075,
0.3311

 3.6826, 0.7399,
0.2601

 82.0415, 0.4902,
0.3332

 1.4977, 0.7942,
0.2058

 106.8575, 0.4756,
0.3346

 0.2871, 0.9055,
0.0945

 136.2322, 0.4631,
0.3356

 0.0000, 1.0000,
0.0000

 170.5499, 0.4524,

 0.0000, 0.0000,

0.3362

0.0000

210.1951, 0.4430,
0.3366

■ 20.6761, 0.5841,
0.3160

■ 20.6761, 0.5841,
0.3160

■ 19.3726, 0.6157,
0.3208

■ 23.0862, 0.5426,
0.3132

■ 18.9617, 0.6287,
0.3237


■ 26.7757, 0.4975,
0.3126


■ 31.8912, 0.4542,
0.3138

■ 38.5586, 0.4158,
0.3160

■ 46.8898, 0.3835,
0.3189

 56.9864, 0.3570,
0.3220

 68.9419, 0.3356,
0.3250

 82.8431, 0.3184,
0.3279

 97.6204, 0.3048,
0.3290

Harmonies

Analogous

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



20.6761, 0.4828, 0.2408



20.6761, 0.5841, 0.3160



20.6761, 0.5734, 0.3994

Triad

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



20.6761, 0.5841, 0.3160



20.6761, 0.2458, 0.5919



20.6761, 0.1268, 0.1362

Complementary

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



20.6761, 0.5841, 0.3160



69.0584, 0.2359, 0.3590

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.



20.6761, 0.0970, 0.1647



20.6761, 0.5841, 0.3160



20.6761, 0.1473, 0.4196

Square

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



20.6761, 0.5841, 0.3160



20.6761, 0.3672, 0.5972



20.6761, 0.1007, 0.2493



20.6761, 0.1979, 0.1424

Rectangle

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



20.6761, 0.5841, 0.3160



20.6761, 0.5209, 0.4653



20.6761, 0.1007, 0.2493



20.6761, 0.1129, 0.1413

Sweetspot

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



20.6774, 0.5841, 0.3160



62.7305, 0.3598, 0.3216



22.8170, 0.2960, 0.1476



12.5378, 0.3687, 0.3205



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.



20.6774, 0.5841, 0.3160



21.3484, 0.6291, 0.3239



31.7037, 0.5363, 0.3924



15.7880, 0.3275, 0.3263



10.1946, 0.6262, 0.3224



0.8576, 0.5992, 0.3075

Inverse Universe

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



20.6774, 0.5841, 0.3160



21.3484, 0.6291, 0.3239



33.4588, 0.1978, 0.2194



15.7880, 0.3275, 0.3263



10.1946, 0.6262, 0.3224



0.8576, 0.5992, 0.3075

Previews

White Background



This preview shows how the Yxy color 20.6761, 0.5841, 0.3160 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 20.6761, 0.5841, 0.3160 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 20.6761, 0.5841, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 20.6761, 0.5841, 0.3160.



This preview shows how white text looks on a background with the Yxy color 20.6761, 0.5841, 0.3160.

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

20.6761, 0.5841, 0.3160

Protanopia

20.8772, 0.3681, 0.3958

Deuteranopia

20.8228, 0.4429, 0.4356



Tritanopia

20.7722, 0.6028, 0.3304

Trichromacy



Original Color

20.6761, 0.5841, 0.3160

Protanomaly

17.6839, 0.4585, 0.3511

Deuteranomaly

18.4399, 0.5100, 0.3740

Tritanomaly

20.7549, 0.5969, 0.3260

Monochromacy



Original Color

20.6761, 0.5841, 0.3160

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0524, 0.4273, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6761, 0.5841, 0.3160 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(242, 39, 62)` looks like.

```
.text, #text, p{  
    color:rgb(242, 39, 62)  
}
```

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(242, 39, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 39, 62) }
```

Border

The CSS property to change the border of an element to Yxy 20.6761, 0.5841, 0.3160 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(242, 39, 62) }
```

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

```
.border{ border-color:rgb(242, 39, 62) }
```

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

Here you see how a box with a 4 pixel rgb(242, 39, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 39, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 39, 62);  
box-shadow:4px 4px 4px 4px rgb(242, 39,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6761, 0.5841, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 39, 62) }
```

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

```
.background{ background-color: rgb(242, 39,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor