

Converting Colors

$Yxy(20.2163, 0.5935, 0.3043)$

Have a look what the booklet for
Yxy(20.2163, 0.5935, 0.3043)
contains.

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Color

Yxy(20.1558, 0.5931, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	F70041
RGB	247, 0, 65
RGB Percent	97%, 0%, 25%
CMY	0.0314, 0.9996, 0.7453
CMYK	0.00, 1.00, 0.74, 0.03
HSL	344°, 100%, 48%
HSV	344°, 100%, 97%
XYZ	39.3108, 20.1558, 6.8136
YIQ	81.2630, 126.3470, 72.5790

Conversions

Conversions Part 2

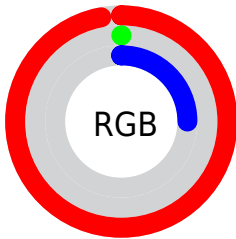
Format	Color
R_{YB}	247, 0, 65
Decimal	16187457
CIE Lab	52.01, 79.37, 37.86
CIE LCh	52, 87.938, 25.502
Yxy	20.1558, 0.5931, 0.3041
Android (android.graphics.Color)	4294377537 (0xFFFF70041)
YUV	81.2630, -8.0177, 145.3513
Hunter-Lab	44.8952, 77.7301, 22.4284

Details

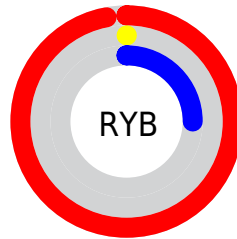
The Yxy color **20.1558, 0.5931, 0.3041** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **69.9039, 0.2494, 0.4180**, and the grayscale version is **8.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8180, 0.4927, 0.3137**, and **9.8856, 0.6237, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **20.1543, 0.5932, 0.3041**, and if you desaturate by 10%, it is **21.0875, 0.5630, 0.2948**.

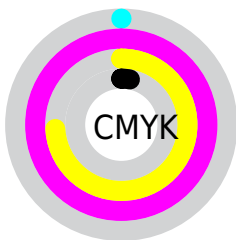
Distribution



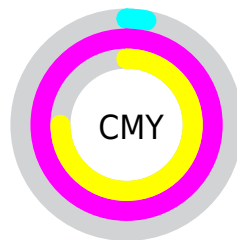
- Red (97%)
- Green (0%)
- Blue (25%)



- Red (97%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1558, 0.5931, 0.3041 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 20.1558, 0.5931, 0.3041 by changing the saturation by 10% instead.


 20.1558, 0.5931,
0.3041


 20.1558, 0.5931,
0.3041


252.7573, 0.4384,
0.3313

 12.5083, 0.6327,
0.2912


 43.6782, 0.5351,
0.3184

 7.0909, 0.6819,
0.2709


 60.3220, 0.5136,
0.3224


 3.5190, 0.7563,
0.2433

 80.7334, 0.4957,
0.3252

 1.4083, 0.8123,
0.1877

 105.2967, 0.4806,
0.3273

 0.2228, 0.9296,
0.0704

 134.3963, 0.4677,
0.3288

 0.0000, 1.0000,
0.0000

 168.4167, 0.4565,

 0.0000, 0.0000,

0.3299

0.0000

207.7422, 0.4469,
0.3307

■ 20.1558, 0.5931,
0.3041

■ 20.1558, 0.5931,
0.3041

■ 20.1543, 0.5932,
0.3041

■ 21.0875, 0.5630,
0.2948

■ 22.9590, 0.5267,
0.2890

■ 26.0433, 0.4879,
0.2876

■ 30.5064, 0.4502,
0.2898

■ 36.4878, 0.4162,
0.2948

■ 44.1100, 0.3868,
0.3012

■ 53.4828, 0.3624,
0.3083

■ 64.7064, 0.3423,
0.3155

■ 77.8735, 0.3259,
0.3225

Harmonies

Analogous

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



20.1558, 0.4761, 0.2285



20.1558, 0.5931, 0.3041



20.1558, 0.5893, 0.3872

Triad

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



20.1558, 0.5931, 0.3041



20.1558, 0.2514, 0.6201



20.1558, 0.1150, 0.1299

Complementary

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



20.1558, 0.5931, 0.3041



69.9039, 0.2494, 0.4180

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.



20.1558, 0.0883, 0.1624



20.1558, 0.5931, 0.3041



20.1558, 0.1465, 0.4474

Square

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



20.1558, 0.5931, 0.3041



20.1558, 0.3774, 0.6011



20.1558, 0.0948, 0.2571



20.1558, 0.1824, 0.1333

Rectangle

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



20.1558, 0.5931, 0.3041



20.1558, 0.5376, 0.4552



20.1558, 0.0948, 0.2571



20.1558, 0.1023, 0.1360

Sweetspot

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



20.1571, 0.5931, 0.3041



57.4050, 0.3626, 0.3082



16.5600, 0.2532, 0.1168



11.3270, 0.3723, 0.3052



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.



20.1571, 0.5931, 0.3041



21.6652, 0.5936, 0.3044



22.7704, 0.6139, 0.3507



16.5540, 0.3252, 0.3228



10.6789, 0.5891, 0.3019



0.9548, 0.5539, 0.2825

Inverse Universe

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



20.1571, 0.5931, 0.3041



21.6652, 0.5936, 0.3044



43.2778, 0.2029, 0.2504



16.5540, 0.3252, 0.3228



10.6789, 0.5891, 0.3019



0.9548, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 20.1558, 0.5931, 0.3041 looks on a white background.

Color Contrast Check

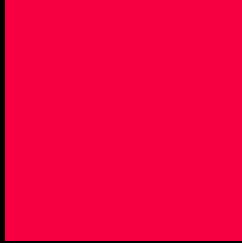
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1558, 0.5931, 0.3041 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 20.1558, 0.5931, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 20.1558, 0.5931, 0.3041.



This preview shows how white text looks on a background with the Yxy color 20.1558, 0.5931, 0.3041.

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

20.1558, 0.5931, 0.3041

Protanopia

20.5986, 0.3566, 0.3801

Deuteranopia

20.5095, 0.4402, 0.4314



Tritanopia

20.4237, 0.6266, 0.3323

Trichromacy



Original Color

20.1558, 0.5931, 0.3041



Protanomaly

15.5072, 0.4612, 0.3223



Deuteranomaly

16.2831, 0.5248, 0.3515



Tritanomaly

20.1211, 0.6197, 0.3237

Monochromacy



Original Color

20.1558, 0.5931, 0.3041



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.6267, 0.4536, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1558, 0.5931, 0.3041 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(247, 0, 65)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 65)  
}
```

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(247, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 65) }
```

Border

The CSS property to change the border of an element to Yxy 20.1558, 0.5931, 0.3041 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(247, 0, 65) }
```

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

```
.border{ border-color:rgb(247, 0, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1558, 0.5931, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 65) }
```

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

```
.background{ background-color: rgb(247, 0,  
65) }
```

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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