

Converting Colors

$Y_{xy}(22.0176, 0.5866, 0.3037)$

Have a look what the booklet for
Yxy(22.0176, 0.5866, 0.3037)
contains.

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Color

Yxy(22.0290, 0.5864, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	FF0E47
RGB	255, 14, 71
RGB Percent	100%, 5%, 28%
CMY	0.0000, 0.9449, 0.7216
CMYK	0.00, 0.94, 0.72, 0.00
HSL	346°, 100%, 53%
HSV	346°, 94%, 100%
XYZ	42.5348, 22.0290, 7.9716
YIQ	92.5570, 125.3390, 68.8190

Conversions

Conversions Part 2

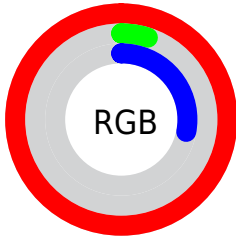
Format	Color
RYB	255, 14, 71
Decimal	16715335
CIELab	54.06, 80.47, 37.12
CIELCh	54, 88.623, 24.763
Yxy	22.0290, 0.5864, 0.3037
Android (android.graphics.Color)	4294905415 (0xFFFF0E47)
YUV	92.5570, -10.6276, 142.4625
Hunter-Lab	46.9351, 79.6287, 22.7845

Details

The Yxy color **22.0290, 0.5864, 0.3037** 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 **75.6930, 0.2461, 0.4038**, and the grayscale version is **10.8477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7063, 0.4825, 0.3114**, and **10.9027, 0.6200, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **21.5892, 0.6016, 0.3088**, and if you desaturate by 10%, it is **23.4935, 0.5526, 0.2961**.

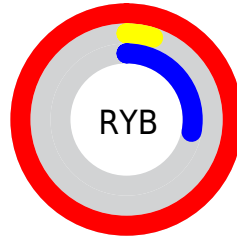
Distribution



Red (100%)

Green (5%)

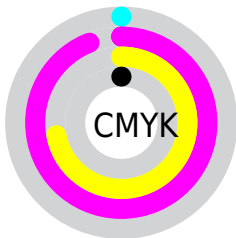
Blue (28%)



Red (100%)

Yellow (5%)

Blue (28%)

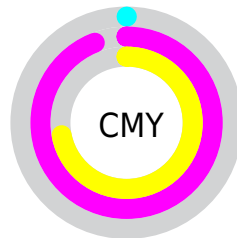


Cyan (0%)

Magenta (94%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (94%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0290, 0.5864, 0.3037 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 22.0290, 0.5864, 0.3037 by changing the saturation by 10% instead.


 22.0290, 0.5864,
0.3037


 22.0290, 0.5864,
0.3037


262.6977, 0.4369,
0.3301


 13.8782, 0.6245,
0.2917


 46.7939, 0.5306,
0.3172


 8.0360, 0.6718,
0.2731


 64.1768, 0.5099,
0.3211


 4.1180, 0.7361,
0.2458

 85.4059, 0.4926,
0.3239

 1.7398, 0.8020,
0.1980

 110.8656, 0.4779,
0.3259

 0.4492, 0.8873,
0.1127

 140.9402, 0.4654,
0.3274

 0.0000, 1.0000,
0.0000

176.0141, 0.4546,

 0.0000, 0.0000,

0.3286

0.0000

216.4718, 0.4452,
0.3294

■ 22.0290, 0.5864,
0.3037

■ 22.0290, 0.5864,
0.3037

■ 21.5892, 0.6016,
0.3088

■ 23.4935, 0.5526,
0.2961

■ 26.1706, 0.5135,
0.2925

■ 30.2610, 0.4734,
0.2927

■ 35.9280, 0.4359,
0.2960

■ 43.3121, 0.4030,
0.3012

■ 52.5383, 0.3752,
0.3074

■ 63.7198, 0.3523,
0.3139

■ 76.9609, 0.3336,
0.3203

■ 92.3582, 0.3185,
0.3264

Harmonies

Analogous

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



22.0290, 0.4690, 0.2286



22.0290, 0.5864, 0.3037



22.0290, 0.5868, 0.3861

Triad

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



22.0290, 0.5864, 0.3037



22.0290, 0.2568, 0.6148



22.0290, 0.1165, 0.1330

Complementary

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



22.0290, 0.5864, 0.3037



75.6930, 0.2461, 0.4038

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.



22.0290, 0.0908, 0.1667



22.0290, 0.5864, 0.3037



22.0290, 0.1517, 0.4502

Square

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



22.0290, 0.5864, 0.3037



22.0290, 0.3813, 0.5946



22.0290, 0.0985, 0.2626



22.0290, 0.1823, 0.1354

Rectangle

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



22.0290, 0.5864, 0.3037



22.0290, 0.5369, 0.4520



22.0290, 0.0985, 0.2626



22.0290, 0.1042, 0.1394

Sweetspot

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



22.0303, 0.5864, 0.3037



59.5675, 0.3598, 0.3116



19.1057, 0.2607, 0.1225



11.7298, 0.3698, 0.3088



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.



22.0303, 0.5864, 0.3037



21.5892, 0.6016, 0.3088



26.2275, 0.5983, 0.3584



18.0574, 0.3257, 0.3234



11.2999, 0.5977, 0.3066



1.1163, 0.5666, 0.2895

Inverse Universe

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



22.0303, 0.5864, 0.3037



21.5892, 0.6016, 0.3088



46.2372, 0.2032, 0.2493



18.0574, 0.3257, 0.3234



11.2999, 0.5977, 0.3066



1.1163, 0.5666, 0.2895

Previews

White Background



This preview shows how the Yxy color 22.0290, 0.5864, 0.3037 looks on a white background.

Color Contrast Check

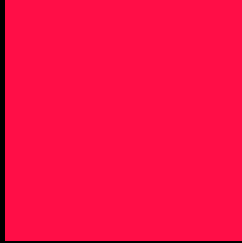
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0290, 0.5864, 0.3037 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 22.0290, 0.5864, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 22.0290, 0.5864, 0.3037.



This preview shows how white text looks on a background with the Yxy color 22.0290, 0.5864, 0.3037.

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

22.0290, 0.5864, 0.3037

Protanopia

22.3885, 0.3503, 0.3733

Deuteranopia

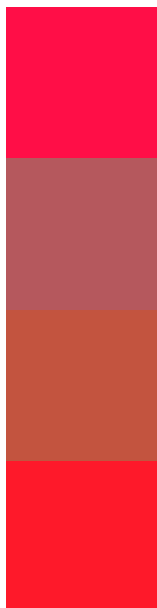
22.2979, 0.4353, 0.4282



Tritanopia

22.1210, 0.6231, 0.3318

Trichromacy



Original Color

22.0290, 0.5864, 0.3037

Protanomaly

17.5935, 0.4493, 0.3224

Deuteranomaly

18.3016, 0.5139, 0.3539

Tritanomaly

21.9333, 0.6141, 0.3235

Monochromacy



Original Color

22.0290, 0.5864, 0.3037

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9981, 0.4406, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0290, 0.5864, 0.3037 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(255, 14, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 14, 71)  
}
```

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(255, 14, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 14, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.0290, 0.5864, 0.3037 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(255, 14, 71) }
```

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

```
.border{ border-color:rgb(255, 14, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 14, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 14, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 14, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 14,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0290, 0.5864, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 14, 71) }
```

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

```
.background{ background-color: rgb(255, 14,  
71) }
```

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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