

Converting Colors

$Y_{xy}(22.2590, 0.6019, 0.3168)$

Have a look what the booklet for
Yxy(22.2590, 0.6019, 0.3168)
contains.

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Color

Yxy(22.2746, 0.6021, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	FF1A37
RGB	255, 26, 55
RGB Percent	100%, 10%, 22%
CMY	0.0000, 0.8984, 0.7843
CMYK	0.00, 0.90, 0.78, 0.00
HSL	352°, 100%, 55%
HSV	352°, 90%, 100%
XYZ	42.3077, 22.2746, 5.6846
YIQ	97.7770, 127.1750, 57.5670

Conversions

Conversions Part 2

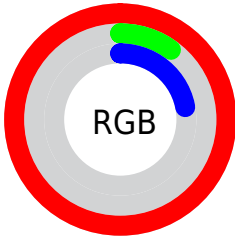
Format	Color
R_{YB}	255, 26, 55
Decimal	16718391
CIE _{Lab}	54.32, 78.67, 46.49
CIE _{LCh}	54, 91.382, 30.578
Yxy	22.2746, 0.6021, 0.3170
Android (android.graphics.Color)	4294908471 (0xFFFF1A37)
YUV	97.7770, -21.0891, 137.8846
Hunter-Lab	47.1960, 77.4190, 25.8959

Details

The Yxy color **22.2746, 0.6021, 0.3170** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.2234, 0.2362, 0.3655**, and the grayscale version is **12.1696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1399, 0.5001, 0.3305**, and **10.8454, 0.6336, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **21.3770, 0.6266, 0.3227**, and if you desaturate by 10%, it is **24.2022, 0.5656, 0.3126**.

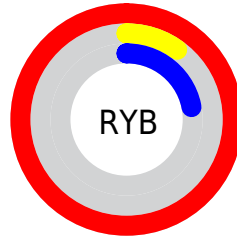
Distribution



Red (100%)

Green (10%)

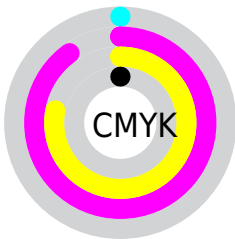
Blue (22%)



Red (100%)

Yellow (10%)

Blue (22%)

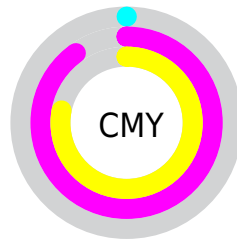


Cyan (0%)

Magenta (90%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (90%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2746, 0.6021, 0.3170 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 22.2746, 0.6021, 0.3170 by changing the saturation by 10% instead.


 22.2746, 0.6021,
0.3170


 22.2746, 0.6021,
0.3170


263.9770, 0.4467,
0.3401


 14.0588, 0.6395,
0.3044


 47.1994, 0.5455,
0.3304

 8.1616, 0.6845,
0.2846


 64.6773, 0.5240,
0.3339


 4.1985, 0.7445,
0.2555

 86.0112, 0.5059,
0.3362

 1.7852, 0.7963,
0.2037

 111.5857, 0.4904,
0.3378

 0.4779, 0.8797,
0.1203

 141.7852, 0.4772,
0.3388

 0.0000, 1.0000,
0.0000

 176.9939, 0.4657,

 0.0000, 0.0000,

0.3395

0.0000

217.5964, 0.4556,
0.3399

■ 22.2746, 0.6021,
0.3170

■ 22.2746, 0.6021,
0.3170

■ 21.3770, 0.6266,
0.3227

■ 24.2022, 0.5656,
0.3126

■ 21.3665, 0.6269,
0.3227

■ 27.4645, 0.5220,
0.3106

■ 32.2410, 0.4775,
0.3108

■ 38.6868, 0.4364,
0.3128

■ 46.9375, 0.4009,
0.3157

■ 57.1147, 0.3714,
0.3191

■ 69.3297, 0.3473,
0.3225

■ 83.6852, 0.3280,
0.3259

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.2746, 0.5037, 0.2404



22.2746, 0.6021, 0.3170



22.2746, 0.5794, 0.4028

Triad

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



22.2746, 0.6021, 0.3170



22.2746, 0.2305, 0.6050



22.2746, 0.1225, 0.1277

Complementary

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



22.2746, 0.6021, 0.3170



77.2234, 0.2362, 0.3655

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.



22.2746, 0.0899, 0.1530



22.2746, 0.6021, 0.3170



22.2746, 0.1329, 0.4102

Square

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



22.2746, 0.6021, 0.3170



22.2746, 0.3552, 0.6158



22.2746, 0.0904, 0.2343



22.2746, 0.1987, 0.1362

Rectangle

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



22.2746, 0.6021, 0.3170



22.2746, 0.5207, 0.4741



22.2746, 0.0904, 0.2343



22.2746, 0.1076, 0.1318

Sweetspot

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



22.2702, 0.6021, 0.3170



60.3765, 0.3640, 0.3200



23.8741, 0.2903, 0.1406



12.0891, 0.3729, 0.3189



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.



22.2702, 0.6021, 0.3170



21.3665, 0.6269, 0.3227



32.4649, 0.5580, 0.3855



18.0246, 0.3274, 0.3260



11.1760, 0.6243, 0.3213



1.0994, 0.5995, 0.3076

Inverse Universe

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



22.2702, 0.6021, 0.3170



21.3665, 0.6269, 0.3227



36.5626, 0.1949, 0.2157



18.0246, 0.3274, 0.3260



11.1760, 0.6243, 0.3213



1.0994, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 22.2746, 0.6021, 0.3170 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 22.2746, 0.6021, 0.3170 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 22.2746, 0.6021, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 22.2746, 0.6021, 0.3170.



This preview shows how white text looks on a background with the Yxy color 22.2746, 0.6021, 0.3170.

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

22.2746, 0.6021, 0.3170

Protanopia

22.3406, 0.3802, 0.4103

Deuteranopia

22.4478, 0.4548, 0.4465



Tritanopia

22.1830, 0.6217, 0.3316

Trichromacy



Original Color

22.2746, 0.6021, 0.3170



Protanomaly

18.2026, 0.4789, 0.3549



Deuteranomaly

19.0316, 0.5326, 0.3758



Tritanomaly

22.1329, 0.6162, 0.3273

Monochromacy



Original Color

22.2746, 0.6021, 0.3170



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.2125, 0.4451, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2746, 0.6021, 0.3170 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, 26, 55)` looks like.

```
.text, #text, p{  
  color:rgb(255, 26, 55)  
}
```

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, 26, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 55) }
```

Border

The CSS property to change the border of an element to Yxy 22.2746, 0.6021, 0.3170 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, 26, 55) }
```

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

```
.border{ border-color:rgb(255, 26, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2746, 0.6021, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 55) }
```

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

```
.background{ background-color: rgb(255, 26,  
55) }
```

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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