

Converting Colors

$Y_{xy}(22.3570, 0.6049, 0.3200)$

Have a look what the booklet for
Yxy(22.3570, 0.6049, 0.3200)
contains.

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Color

Yxy(22.3777, 0.6050, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	FF1D33
RGB	255, 29, 51
RGB Percent	100%, 11%, 20%
CMY	0.0000, 0.8864, 0.7998
CMYK	0.00, 0.89, 0.80, 0.00
HSL	354°, 100%, 56%
HSV	354°, 89%, 100%
XYZ	42.2814, 22.3777, 5.2275
YIQ	99.0820, 127.6340, 54.7540

Conversions

Conversions Part 2

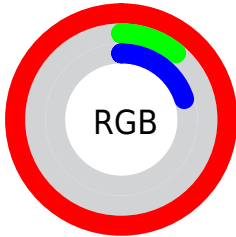
Format	Color
R_{YB}	255, 29, 51
Decimal	16719155
CIE Lab	54.43, 78.13, 48.73
CIE LCh	54, 92.081, 31.954
Yxy	22.3777, 0.6050, 0.3202
Android (android.graphics.Color)	4294909235 (0xFFFF1D33)
YUV	99.0820, -23.7044, 136.7401
Hunter-Lab	47.3051, 76.7599, 26.5616

Details

The Yxy color **22.3777, 0.6050, 0.3202** 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 **77.6599, 0.2338, 0.3563**, and the grayscale version is **12.5320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2640, 0.5042, 0.3351**, and **10.7067, 0.6362, 0.3279** is the 20% darker color. If you saturate the color by 10%, you get **21.4193, 0.6290, 0.3248**, and if you desaturate by 10%, it is **24.4374, 0.5680, 0.3167**.

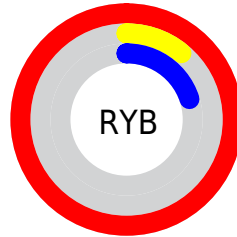
Distribution



Red (100%)

Green (11%)

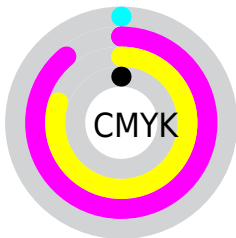
Blue (20%)



Red (100%)

Yellow (11%)

Blue (20%)

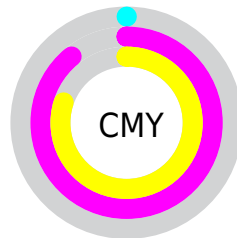


Cyan (0%)

Magenta (89%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (89%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3777, 0.6050, 0.3202 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 22.3777, 0.6050, 0.3202 by changing the saturation by 10% instead.


 22.3777, 0.6050,
0.3202


 22.3777, 0.6050,
0.3202


264.5124, 0.4489,
0.3426


 14.1347, 0.6420,
0.3075


 47.3695, 0.5485,
0.3336


 8.2144, 0.6865,
0.2875


 64.8870, 0.5269,
0.3370


 4.2324, 0.7428,
0.2572

 86.2649, 0.5087,
0.3392

 1.8044, 0.7943,
0.2057

 111.8874, 0.4931,
0.3407

 0.4899, 0.8769,
0.1231

 142.1390, 0.4797,
0.3416

 0.0000, 1.0000,
0.0000

 177.4041, 0.4681,

 0.0000, 0.0000,

0.3421

0.0000

218.0671, 0.4579,
0.3424

■ 22.3777, 0.6050,
0.3202

■ 22.3777, 0.6050,
0.3202

■ 21.4193, 0.6290,
0.3248

■ 24.4374, 0.5680,
0.3167

■ 21.3298, 0.6314,
0.3252

■ 27.8571, 0.5235,
0.3152

■ 32.8169, 0.4780,
0.3154

■ 39.4701, 0.4361,
0.3169

■ 47.9514, 0.4000,
0.3191

■ 58.3820, 0.3701,
0.3217

■ 70.8726, 0.3458,
0.3244

■ 85.5258, 0.3264,
0.3269

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.



22.3777, 0.5118, 0.2433



22.3777, 0.6050, 0.3202



22.3777, 0.5770, 0.4070

Triad

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



22.3777, 0.6050, 0.3202



22.3777, 0.2244, 0.6012



22.3777, 0.1242, 0.1267

Complementary

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



22.3777, 0.6050, 0.3202



77.6599, 0.2338, 0.3563

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.



22.3777, 0.0899, 0.1501



22.3777, 0.6050, 0.3202



22.3777, 0.1288, 0.4005

Square

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



22.3777, 0.6050, 0.3202



22.3777, 0.3489, 0.6205



22.3777, 0.0888, 0.2280



22.3777, 0.2030, 0.1366

Rectangle

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



22.3777, 0.6050, 0.3202



22.3777, 0.5164, 0.4796



22.3777, 0.0888, 0.2280



22.3777, 0.1087, 0.1302

Sweetspot

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



22.3766, 0.6050, 0.3202



60.2856, 0.3657, 0.3222



25.3196, 0.2983, 0.1455



12.0683, 0.3749, 0.3212



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.



22.3766, 0.6050, 0.3202



21.3298, 0.6314, 0.3252



34.6333, 0.5463, 0.3933



18.0159, 0.3279, 0.3267



11.1547, 0.6292, 0.3240



1.0953, 0.6083, 0.3125

Inverse Universe

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



22.3766, 0.6050, 0.3202



21.3298, 0.6314, 0.3252



34.2426, 0.1927, 0.2066



18.0159, 0.3279, 0.3267



11.1547, 0.6292, 0.3240



1.0953, 0.6083, 0.3125

Previews

White Background



This preview shows how the Yxy color 22.3777, 0.6050, 0.3202 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 22.3777, 0.6050, 0.3202 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 22.3777, 0.6050, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 22.3777, 0.6050, 0.3202.



This preview shows how white text looks on a background with the Yxy color 22.3777, 0.6050, 0.3202.

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

22.3777, 0.6050, 0.3202

Protanopia

22.6081, 0.3872, 0.4212

Deuteranopia

22.4121, 0.4585, 0.4511



Tritanopia

22.4928, 0.6198, 0.3317

Trichromacy



Original Color

22.3777, 0.6050, 0.3202



Protanomaly

18.6131, 0.4848, 0.3637



Deuteranomaly

19.1616, 0.5358, 0.3808



Tritanomaly

22.4266, 0.6156, 0.3280

Monochromacy



Original Color

22.3777, 0.6050, 0.3202



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.5747, 0.4450, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3777, 0.6050, 0.3202 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, 29, 51)` looks like.

```
.text, #text, p{  
  color:rgb(255, 29, 51)  
}
```

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, 29, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.3777, 0.6050, 0.3202 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, 29, 51) }
```

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

```
.border{ border-color:rgb(255, 29, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3777, 0.6050, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 51) }
```

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

```
.background{ background-color: rgb(255, 29,  
51) }
```

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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