

Converting Colors

$Y_{xy}(22.5836, 0.6046, 0.3223)$

Have a look what the booklet for
Yxy(22.5836, 0.6046, 0.3223)
contains.

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Color

Yxy(22.5780, 0.6044, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	FF2132
RGB	255, 33, 50
RGB Percent	100%, 13%, 20%
CMY	0.0001, 0.8702, 0.8039
CMYK	0.00, 0.87, 0.80, 0.00
HSL	355°, 100%, 56%
HSV	355°, 87%, 100%
XYZ	42.3530, 22.5780, 5.1435
YIQ	101.3160, 126.8550, 52.3510

Conversions

Conversions Part 2

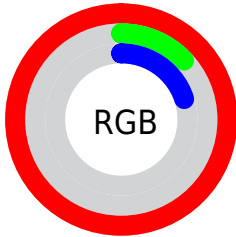
Format	Color
R_{YB}	255, 33, 50
Decimal	16720178
CIE _{Lab}	54.63, 77.44, 49.49
CIE _{LCh}	55, 91.902, 32.579
Yxy	22.5780, 0.6044, 0.3222
Android (android.graphics.Color)	4294910258 (0xFFFF2132)
YUV	101.3160, -25.2988, 134.7809
Hunter-Lab	47.5163, 75.9500, 26.8435

Details

The Yxy color **22.5780, 0.6044, 0.3222** 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 **78.0072, 0.2323, 0.3496**, and the grayscale version is **13.1574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6572, 0.5039, 0.3379**, and **10.7023, 0.6373, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **21.4971, 0.6292, 0.3259**, and if you desaturate by 10%, it is **24.8315, 0.5662, 0.3196**.

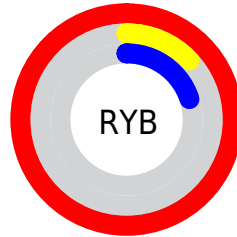
Distribution



Red (100%)

Green (13%)

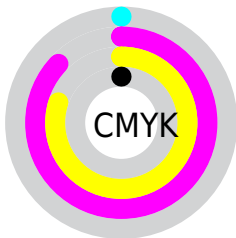
Blue (20%)



Red (100%)

Yellow (13%)

Blue (20%)

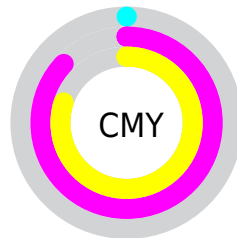


Cyan (0%)

Magenta (87%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5780, 0.6044, 0.3222 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 22.5780, 0.6044, 0.3222 by changing the saturation by 10% instead.


 22.5780, 0.6044,
0.3222


 22.5780, 0.6044,
0.3222


265.5500, 0.4490,
0.3437


 14.2822, 0.6411,
0.3096


 47.6995, 0.5482,
0.3353

 8.3172, 0.6852,
0.2899


 65.2939, 0.5268,
0.3386


 4.2986, 0.7403,
0.2597

 86.7568, 0.5086,
0.3407

 1.8420, 0.7915,
0.2085

 112.4724, 0.4931,
0.3421

 0.5131, 0.8722,
0.1278

 142.8251, 0.4797,
0.3429

 0.0000, 1.0000,
0.0000

 178.1993, 0.4681,

 0.0000, 0.0000,

0.3434

0.0000

218.9795, 0.4579,
0.3436

■ 22.5780, 0.6044,
0.3222

■ 22.5780, 0.6044,
0.3222

■ 21.4971, 0.6292,
0.3259

■ 24.8315, 0.5662,
0.3196


■ 21.3037, 0.6340,
0.3266


■ 28.4775, 0.5208,
0.3184


■ 33.6940, 0.4747,
0.3187

■ 40.6318, 0.4327,
0.3199

■ 49.4237, 0.3967,
0.3217

 60.1898, 0.3670,
0.3237

 73.0398, 0.3431,
0.3257

 88.0756, 0.3239,
0.3277

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



22.5780, 0.5140, 0.2453



22.5780, 0.6044, 0.3222



22.5780, 0.5748, 0.4092

Triad

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



22.5780, 0.6044, 0.3222



22.5780, 0.2226, 0.5969



22.5780, 0.1259, 0.1272

Complementary

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



22.5780, 0.6044, 0.3222



78.0072, 0.2323, 0.3496

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.



22.5780, 0.0909, 0.1498



22.5780, 0.6044, 0.3222



22.5780, 0.1281, 0.3957

Square

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



22.5780, 0.6044, 0.3222



22.5780, 0.3466, 0.6208



22.5780, 0.0891, 0.2261



22.5780, 0.2057, 0.1377

Rectangle

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



22.5780, 0.6044, 0.3222



22.5780, 0.5136, 0.4818



22.5780, 0.0891, 0.2261



22.5780, 0.1101, 0.1305

Sweetspot

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



22.5794, 0.6044, 0.3222



61.4100, 0.3644, 0.3239



26.2285, 0.3024, 0.1487



12.2809, 0.3738, 0.3232



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.



22.5794, 0.6044, 0.3222



21.3084, 0.6340, 0.3266



36.1736, 0.5379, 0.3978



18.0095, 0.3282, 0.3272



11.1421, 0.6321, 0.3256



1.0923, 0.6149, 0.3161

Inverse Universe

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



22.5794, 0.6044, 0.3222



21.3084, 0.6340, 0.3266



33.5718, 0.1925, 0.2039



18.0095, 0.3282, 0.3272



11.1421, 0.6321, 0.3256



1.0923, 0.6149, 0.3161

Previews

White Background



This preview shows how the Yxy color 22.5780, 0.6044, 0.3222 looks on a white background.

Color Contrast Check

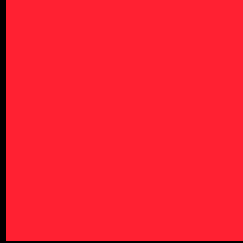
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5780, 0.6044, 0.3222 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 22.5780, 0.6044, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 22.5780, 0.6044, 0.3222.



This preview shows how white text looks on a background with the Yxy color 22.5780, 0.6044, 0.3222.

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

22.5780, 0.6044, 0.3222

Protanopia

22.6837, 0.3895, 0.4223

Deuteranopia

22.5136, 0.4602, 0.4510



Tritanopia

22.6316, 0.6165, 0.3311

Trichromacy



Original Color

22.5780, 0.6044, 0.3222

Protanomaly

18.7800, 0.4851, 0.3662

Deuteranomaly

19.6279, 0.5349, 0.3835

Tritanomaly

22.6085, 0.6128, 0.3283

Monochromacy



Original Color

22.5780, 0.6044, 0.3222

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9462, 0.4448, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5780, 0.6044, 0.3222 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, 33, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 50)  
}
```

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, 33, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.5780, 0.6044, 0.3222 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, 33, 50) }
```

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

```
.border{ border-color:rgb(255, 33, 50) }
```

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

Here you see how a box with a 4 pixel rgb(255, 33, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5780, 0.6044, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 50) }
```

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

```
.background{ background-color: rgb(255, 33,  
50) }
```

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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