

Converting Colors

$Y_{xy}(22.5585, 0.5549, 0.2881)$

Have a look what the booklet for
Yxy(22.5585, 0.5549, 0.2881)
contains.

Yxy(22.5690, 0.5555, 0.2886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5690, 0.5555, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	FF155C
RGB	255, 21, 92
RGB Percent	100%, 8%, 36%
CMY	0.0000, 0.9176, 0.6392
CMYK	0.00, 0.92, 0.64, 0.00
HSL	342°, 100%, 54%
HSV	342°, 92%, 100%
XYZ	43.4410, 22.5690, 12.1916
YIQ	99.0600, 116.6730, 71.6890

Conversions

Conversions Part 2

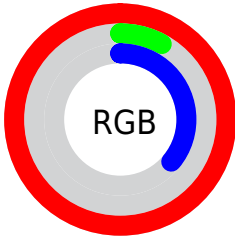
Format	Color
R_{YB}	255, 21, 92
Decimal	16717148
CIE _{Lab}	54.63, 80.72, 25.37
CIE _{LCh}	55, 84.617, 17.448
Yxy	22.5690, 0.5555, 0.2886
Android (android.graphics.Color)	4294907228 (0xFFFF155C)
YUV	99.0600, -3.4806, 136.7594
Hunter-Lab	47.5068, 80.0863, 18.0392

Details

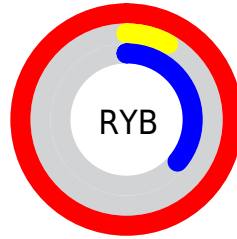
The Yxy color **22.5690, 0.5555, 0.2886** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **75.1411, 0.2521, 0.4236**, and the grayscale version is **12.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9135, 0.4505, 0.2909**, and **11.1524, 0.5943, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **21.8009, 0.5799, 0.2968**, and if you desaturate by 10%, it is **24.3754, 0.5211, 0.2820**.

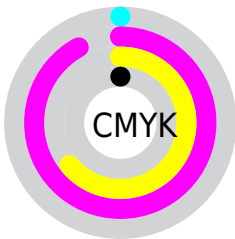
Distribution



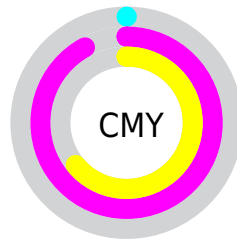
- Red (100%)
- Green (8%)
- Blue (36%)



- Red (100%)
- Yellow (8%)
- Blue (36%)



- Cyan (0%)
- Magenta (92%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (92%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5690, 0.5555, 0.2886 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 22.5690, 0.5555, 0.2886 by changing the saturation by 10% instead.


 22.5690, 0.5555,
0.2886


 22.5690, 0.5555,
0.2886


265.5035, 0.4215,
0.3185


 14.2756, 0.5914,
0.2774


 47.6846, 0.5045,
0.3021

 8.3126, 0.6377,
0.2609


 65.2757, 0.4860,
0.3064

 4.2956, 0.6980,
0.2355

 86.7347, 0.4706,
0.3097

 1.8403, 0.7991,
0.2009

 112.4461, 0.4576,
0.3123

 0.5121, 0.8787,
0.1213

 142.7943, 0.4466,
0.3143

 0.0000, 1.0000,
0.0000

178.1637, 0.4370,

 0.0000, 0.0000,

0.3160

0.0000

218.9386, 0.4288,
0.3174

■ 22.5690, 0.5555,
0.2886

■ 22.5690, 0.5555,
0.2886

■ 21.8009, 0.5799,
0.2968

■ 24.3754, 0.5211,
0.2820

■ 27.4433, 0.4843,
0.2803

■ 31.9590, 0.4484,
0.2827

■ 38.0770, 0.4158,
0.2881

■ 45.9318, 0.3874,
0.2954

■ 55.6437, 0.3636,
0.3036

■ 67.3220, 0.3439,
0.3119

■ 81.0677, 0.3278,
0.3200

■ 96.9747, 0.3147,
0.3277

Harmonies

Analogous

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



22.5690, 0.4233, 0.2168



22.5690, 0.5555, 0.2886



22.5690, 0.5858, 0.3676

Triad

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



22.5690, 0.5555, 0.2886



22.5690, 0.2914, 0.6097



22.5690, 0.1137, 0.1442

Complementary

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



22.5690, 0.5555, 0.2886



75.1411, 0.2521, 0.4236

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.



22.5690, 0.0965, 0.1897



22.5690, 0.5555, 0.2886



22.5690, 0.1808, 0.4916

Square

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



22.5690, 0.5555, 0.2886



22.5690, 0.4127, 0.5638



22.5690, 0.1143, 0.3032



22.5690, 0.1675, 0.1386

Rectangle

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



22.5690, 0.5555, 0.2886



22.5690, 0.5509, 0.4277



22.5690, 0.1143, 0.3032



22.5690, 0.1043, 0.1539

Sweetspot

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



22.5697, 0.5555, 0.2886



59.7954, 0.3557, 0.3067



17.5694, 0.2474, 0.1164



11.7832, 0.3648, 0.3031



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.



22.5697, 0.5555, 0.2886



21.8009, 0.5799, 0.2968



24.9715, 0.6049, 0.3496



18.0778, 0.3246, 0.3218



11.4145, 0.5757, 0.2945



1.1298, 0.5436, 0.2769

Inverse Universe

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



22.5697, 0.5555, 0.2886



21.8009, 0.5799, 0.2968



54.5184, 0.2103, 0.2735



18.0778, 0.3246, 0.3218



11.4145, 0.5757, 0.2945



1.1298, 0.5436, 0.2769

Previews

White Background



This preview shows how the Yxy color 22.5690, 0.5555, 0.2886 looks on a white background.

Color Contrast Check

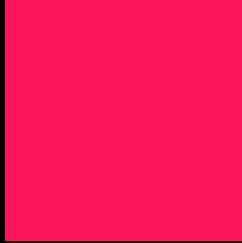
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5690, 0.5555, 0.2886 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 22.5690, 0.5555, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 22.5690, 0.5555, 0.2886.



This preview shows how white text looks on a background with the Yxy color 22.5690, 0.5555, 0.2886.

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

22.5690, 0.5555, 0.2886

Protanopia

22.9404, 0.3118, 0.3238

Deuteranopia

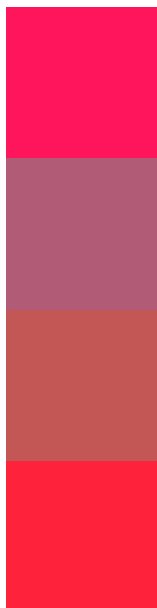
22.6322, 0.4078, 0.3993



Tritanopia

22.6150, 0.6094, 0.3308

Trichromacy



Original Color

22.5690, 0.5555, 0.2886

Protanomaly

18.1612, 0.4001, 0.2883

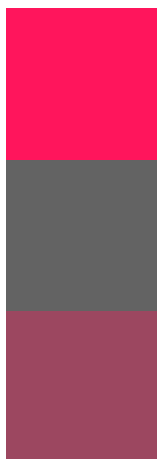
Deuteranomaly

18.9416, 0.4785, 0.3320

Tritanomaly

22.5204, 0.5957, 0.3178

Monochromacy



Original Color

22.5690, 0.5555, 0.2886

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4189, 0.4203, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5690, 0.5555, 0.2886 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, 21, 92)` looks like.

```
.text, #text, p{  
  color:rgb(255, 21, 92)  
}
```

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, 21, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 92) }
```

Border

The CSS property to change the border of an element to Yxy 22.5690, 0.5555, 0.2886 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, 21, 92) }
```

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

```
.border{ border-color:rgb(255, 21, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5690, 0.5555, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 92) }
```

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

```
.background{ background-color: rgb(255, 21,  
92) }
```

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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