

Converting Colors

$Y_{xy}(21.4307, 0.5654, 0.2895)$

Have a look what the booklet for
Yxy(21.4307, 0.5654, 0.2895)
contains.

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Color

Yxy(21.4325, 0.5655, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	FC0356
RGB	252, 3, 86
RGB Percent	99%, 1%, 34%
CMY	0.0116, 0.9890, 0.6627
CMYK	0.00, 0.99, 0.66, 0.01
HSL	340°, 98%, 50%
HSV	340°, 99%, 99%
XYZ	41.8656, 21.4325, 10.7348
YIQ	86.9130, 121.7610, 78.6010

Conversions

Conversions Part 2

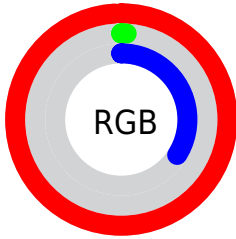
Format	Color
RYB	252, 3, 86
Decimal	16515926
CIELab	53.42, 81.21, 27.30
CIELCh	53, 85.673, 18.578
Yxy	21.4325, 0.5655, 0.2895
Android (android.graphics.Color)	4294706006 (0xFFFC0356)
YUV	86.9130, -0.4501, 144.7813
Hunter-Lab	46.2952, 80.4038, 18.6587

Details

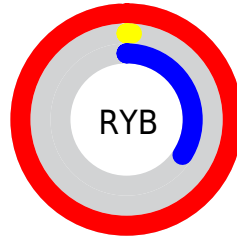
The Yxy color **21.4325, 0.5655, 0.2895** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **72.5161, 0.2565, 0.4428**, and the grayscale version is **9.4680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7446, 0.4622, 0.2936**, and **10.7320, 0.6008, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **21.3433, 0.5687, 0.2906**, and if you desaturate by 10%, it is **22.5069, 0.5351, 0.2800**.

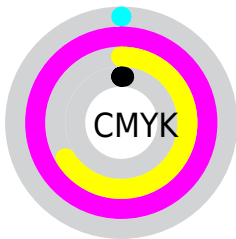
Distribution



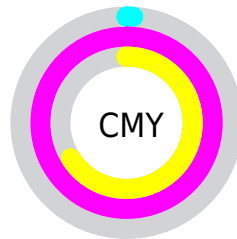
- Red (99%)
- Green (1%)
- Blue (34%)



- Red (99%)
- Yellow (1%)
- Blue (34%)



- Cyan (0%)
- Magenta (99%)
- Yellow (66%)
- Black (1%)




- Cyan (1%)
- Magenta (99%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4325, 0.5655, 0.2895 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 21.4325, 0.5655, 0.2895 by changing the saturation by 10% instead.


 21.4325, 0.5655,
0.2895


 21.4325, 0.5655,
0.2895


259.5681, 0.4253,
0.3201


 13.4405, 0.6030,
0.2777


 45.8062, 0.5121,
0.3036


 7.7326, 0.6511,
0.2600


 62.9568, 0.4927,
0.3080

 3.9243, 0.7133,
0.2325

 83.9289, 0.4766,
0.3113

 1.6313, 0.8075,
0.1925

 109.1071, 0.4630,
0.3139

 0.3786, 0.9001,
0.0999

 138.8758, 0.4515,
0.3159

 0.0000, 1.0000,
0.0000

 173.6192, 0.4415,

 0.0000, 0.0000,

0.3176

0.0000

213.7219, 0.4329,
0.3189

■ 21.4325, 0.5655,
0.2895

■ 21.4325, 0.5655,
0.2895

■ 21.3433, 0.5687,
0.2906

■ 22.5069, 0.5351,
0.2800

■ 24.6122, 0.5009,
0.2752

■ 27.9966, 0.4658,
0.2752

■ 32.8293, 0.4325,
0.2793

■ 39.2538, 0.4027,
0.2862

■ 47.3955, 0.3771,
0.2946

■ 57.3677, 0.3556,
0.3037

■ 69.2737, 0.3378,
0.3128

■ 83.2091, 0.3233,
0.3216

Harmonies

Analogous

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



21.4325, 0.4324, 0.2166



21.4325, 0.5655, 0.2895



21.4325, 0.5907, 0.3693

Triad

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



21.4325, 0.5655, 0.2895



21.4325, 0.2843, 0.6176



21.4325, 0.1114, 0.1396

Complementary

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



21.4325, 0.5655, 0.2895



72.5161, 0.2565, 0.4428

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.



21.4325, 0.0927, 0.1832



21.4325, 0.5655, 0.2895



21.4325, 0.1733, 0.4897

Square

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



21.4325, 0.5655, 0.2895



21.4325, 0.4079, 0.5718



21.4325, 0.1086, 0.2955



21.4325, 0.1673, 0.1354

Rectangle

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



21.4325, 0.5655, 0.2895



21.4325, 0.5518, 0.4308



21.4325, 0.1086, 0.2955



21.4325, 0.1015, 0.1488

Sweetspot

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



21.4338, 0.5655, 0.2895



57.6616, 0.3578, 0.3027



15.0689, 0.2339, 0.1065



11.3866, 0.3666, 0.2988



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.



21.4338, 0.5655, 0.2895



21.9179, 0.5688, 0.2907



22.2374, 0.6260, 0.3401



17.3208, 0.3241, 0.3211



11.1393, 0.5643, 0.2882



1.0505, 0.5309, 0.2698

Inverse Universe

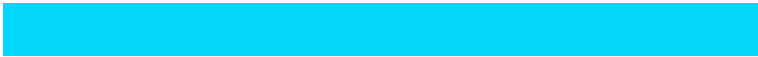
The Inverse Universe completely reimagines the original color for something new.



21.4338, 0.5655, 0.2895



21.9179, 0.5688, 0.2907



55.4691, 0.2113, 0.2803



17.3208, 0.3241, 0.3211



11.1393, 0.5643, 0.2882



1.0505, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 21.4325, 0.5655, 0.2895 looks on a white background.

Color Contrast Check

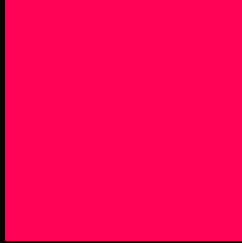
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4325, 0.5655, 0.2895 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 21.4325, 0.5655, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 21.4325, 0.5655, 0.2895.



This preview shows how white text looks on a background with the Yxy color 21.4325, 0.5655, 0.2895.

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

21.4325, 0.5655, 0.2895

Protanopia

21.8762, 0.3185, 0.3308

Deuteranopia

21.8420, 0.4137, 0.4060



Tritanopia

21.6250, 0.6172, 0.3314

Trichromacy



Original Color

21.4325, 0.5655, 0.2895



Protanomaly

16.4345, 0.4145, 0.2857



Deuteranomaly

17.3629, 0.4924, 0.3295



Tritanomaly

21.3610, 0.6058, 0.3181

Monochromacy



Original Color

21.4325, 0.5655, 0.2895



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.7195, 0.4336, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4325, 0.5655, 0.2895 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(252, 3, 86)` looks like.

```
.text, #text, p{  
    color:rgb(252, 3, 86)  
}
```

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(252, 3, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 3, 86) }
```

Border

The CSS property to change the border of an element to Yxy 21.4325, 0.5655, 0.2895 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(252, 3, 86) }
```

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

```
.border{ border-color:rgb(252, 3, 86) }
```

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

Here you see how a box with a 4 pixel rgb(252, 3, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 3, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 3, 86);  
box-shadow:4px 4px 4px 4px rgb(252, 3, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4325, 0.5655, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 3, 86) }
```

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

```
.background{ background-color: rgb(252, 3,  
86) }
```

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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