

Converting Colors

$Yxy(24.1402, 0.5682, 0.3138)$

Have a look what the booklet for
Yxy(24.1402, 0.5682, 0.3138)
contains.

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Color

Yxy(24.1357, 0.5686, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	FF334B
RGB	255, 51, 75
RGB Percent	100%, 20%, 29%
CMY	0.0000, 0.7999, 0.7059
CMYK	0.00, 0.80, 0.71, 0.00
HSL	353°, 100%, 60%
HSV	353°, 80%, 100%
XYZ	43.6917, 24.1357, 9.0134
YIQ	114.7320, 113.8800, 50.7120

Conversions

Conversions Part 2

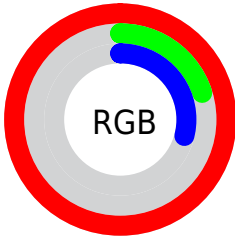
Format	Color
R_{YB}	255, 51, 75
Decimal	16724811
CIE Lab	56.22, 74.58, 37.36
CIE LCh	56, 83.410, 26.608
Yxy	24.1357, 0.5686, 0.3141
Android (android.graphics.Color)	4294914891 (0xFFFF334B)
YUV	114.7320, -19.5879, 123.0150
Hunter-Lab	49.1281, 72.7734, 23.5119

Details

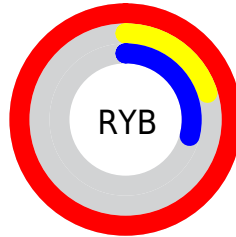
The Yxy color **24.1357, 0.5686, 0.3141** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.9896, 0.2370, 0.3586**, and the grayscale version is **17.0993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4378, 0.4663, 0.3225**, and **11.0461, 0.6169, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **22.2292, 0.6047, 0.3183**, and if you desaturate by 10%, it is **27.3738, 0.5249, 0.3121**.

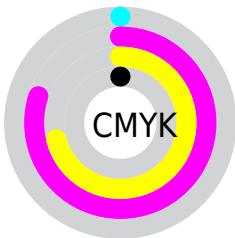
Distribution



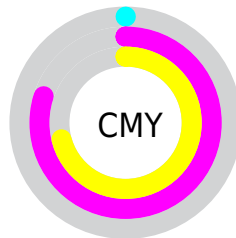
- Red (100%)
- Green (20%)
- Blue (29%)



- Red (100%)
- Yellow (20%)
- Blue (29%)



- Cyan (0%)
- Magenta (80%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1357, 0.5686, 0.3141 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 24.1357, 0.5686, 0.3141 by changing the saturation by 10% instead.


 24.1357, 0.5686,
0.3141


 24.1357, 0.5686,
0.3141


273.5058, 0.4299,
0.3337


 15.4343, 0.6039,
0.3043


 50.2516, 0.5170,
0.3247

 9.1248, 0.6480,
0.2890


 68.4348, 0.4978,
0.3276


 4.8227, 0.7051,
0.2648

 90.5475, 0.4817,
0.3297

 2.1436, 0.7753,
0.2247

 116.9740, 0.4681,
0.3311

 0.6890, 0.8451,
0.1549

 148.0986, 0.4565,
0.3321

 0.0000, 1.0000,
0.0000

184.3059, 0.4464,

 0.0000, 0.0000,

0.3328

0.0000

225.9802, 0.4376,
0.3334

■ 24.1357, 0.5686,
0.3141

■ 24.1357, 0.5686,
0.3141

■ 22.2292, 0.6047,
0.3183

■ 27.3738, 0.5249,
0.3121

■ 21.3528, 0.6285,
0.3236


■ 32.1241, 0.4800,
0.3123


■ 21.3518, 0.6285,
0.3236

■ 38.5437, 0.4384,
0.3140

■ 46.7686, 0.4024,
0.3167

■ 56.9212, 0.3724,
0.3198

 69.1128, 0.3480,
0.3230

 83.4465, 0.3284,
0.3261

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



24.1357, 0.4654, 0.2405



24.1357, 0.5686, 0.3141



24.1357, 0.5678, 0.3954

Triad

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



24.1357, 0.5686, 0.3141



24.1357, 0.2587, 0.5818



24.1357, 0.1301, 0.1436

Complementary

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



24.1357, 0.5686, 0.3141



77.9896, 0.2370, 0.3586

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.



24.1357, 0.1030, 0.1749



24.1357, 0.5686, 0.3141



24.1357, 0.1598, 0.4277

Square

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



24.1357, 0.5686, 0.3141



24.1357, 0.3770, 0.5821



24.1357, 0.1097, 0.2625



24.1357, 0.1968, 0.1474

Rectangle

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



24.1357, 0.5686, 0.3141



24.1357, 0.5212, 0.4577



24.1357, 0.1097, 0.2625



24.1357, 0.1172, 0.1495

Sweetspot

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



24.1372, 0.5686, 0.3141



63.9713, 0.3572, 0.3217



26.0510, 0.2938, 0.1496



12.7756, 0.3660, 0.3205



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.



24.1372, 0.5686, 0.3141



21.6277, 0.6204, 0.3217



36.3732, 0.5286, 0.3902



18.0218, 0.3276, 0.3262



11.1686, 0.6260, 0.3222



1.0980, 0.6023, 0.3092

Inverse Universe

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



24.1372, 0.5686, 0.3141



21.6277, 0.6204, 0.3217



40.6505, 0.2022, 0.2297



18.0218, 0.3276, 0.3262



11.1686, 0.6260, 0.3222



1.0980, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 24.1357, 0.5686, 0.3141 looks on a white background.

Color Contrast Check

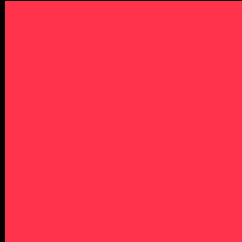
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1357, 0.5686, 0.3141 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 24.1357, 0.5686, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 24.1357, 0.5686, 0.3141.



This preview shows how white text looks on a background with the Yxy color 24.1357, 0.5686, 0.3141.

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

24.1357, 0.5686, 0.3141

Protanopia

24.2772, 0.3558, 0.3802

Deuteranopia

24.2749, 0.4327, 0.4255



Tritanopia

24.0790, 0.5880, 0.3298

Trichromacy



Original Color

24.1357, 0.5686, 0.3141

Protanomaly

20.8991, 0.4394, 0.3434

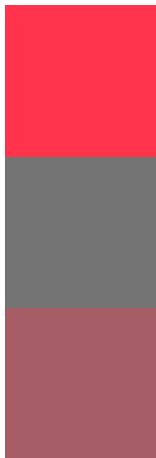
Deuteranomaly

21.8547, 0.4947, 0.3700

Tritanomaly

24.0570, 0.5815, 0.3249

Monochromacy



Original Color

24.1357, 0.5686, 0.3141

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6814, 0.4150, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1357, 0.5686, 0.3141 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, 51, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 75)  
}
```

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, 51, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 75) }
```

Border

The CSS property to change the border of an element to Yxy 24.1357, 0.5686, 0.3141 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, 51, 75) }
```

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

```
.border{ border-color:rgb(255, 51, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1357, 0.5686, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 75) }
```

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

```
.background{ background-color: rgb(255, 51,  
75) }
```

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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