

Converting Colors

$Y_{xy}(24.3050, 0.5538, 0.3051)$

Have a look what the booklet for
Yxy(24.3050, 0.5538, 0.3051)
contains.

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Color

Yxy(24.2995, 0.5543, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	FF3356
RGB	255, 51, 86
RGB Percent	100%, 20%, 34%
CMY	0.0000, 0.7999, 0.6629
CMYK	0.00, 0.80, 0.66, 0.00
HSL	350°, 100%, 60%
HSV	350°, 80%, 100%
XYZ	44.1035, 24.2995, 11.1631
YIQ	115.9860, 110.3490, 54.1330

Conversions

Conversions Part 2

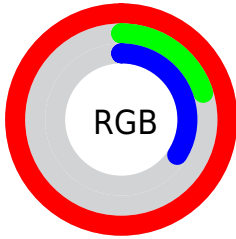
Format	Color
R_{YB}	255, 51, 86
Decimal	16724822
CIE Lab	56.39, 75.08, 31.20
CIE LCh	56, 81.306, 22.564
Yxy	24.2995, 0.5543, 0.3054
Android (android.graphics.Color)	4294914902 (0xFFFF3356)
YUV	115.9860, -14.7831, 121.9153
Hunter-Lab	49.2945, 73.4375, 21.0795

Details

The Yxy color **24.2995, 0.5543, 0.3054** 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 **77.3940, 0.2412, 0.3730**, and the grayscale version is **17.4827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7602, 0.4516, 0.3103**, and **11.1072, 0.6036, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **22.3573, 0.5913, 0.3107**, and if you desaturate by 10%, it is **27.5638, 0.5118, 0.3033**.

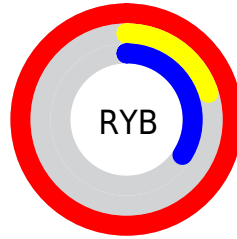
Distribution



Red (100%)

Green (20%)

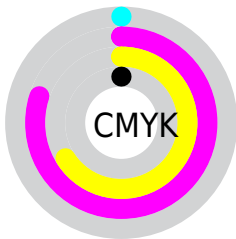
Blue (34%)



Red (100%)

Yellow (20%)

Blue (34%)

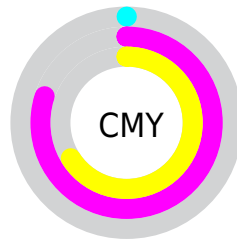


Cyan (0%)

Magenta (80%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2995, 0.5543, 0.3054 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 24.2995, 0.5543, 0.3054 by changing the saturation by 10% instead.


 24.2995, 0.5543,
0.3054


 24.2995, 0.5543,
0.3054


274.3312, 0.4225,
0.3274


 15.5559, 0.5888,
0.2959


 50.5185, 0.5047,
0.3163


 9.2105, 0.6327,
0.2814


 68.7627, 0.4865,
0.3195

 4.8787, 0.6890,
0.2581

 90.9426, 0.4713,
0.3218

 2.1763, 0.7756,
0.2244

 117.4426, 0.4584,
0.3236

 0.7070, 0.8445,
0.1555

 148.6471, 0.4475,
0.3249

 0.0000, 1.0000,
0.0000

184.9404, 0.4380,

 0.0000, 0.0000,


0.3260


0.0000


226.7070, 0.4297,
0.3268

 24.2995, 0.5543,
0.3054


 24.2995, 0.5543,
0.3054

 22.3573, 0.5913,
0.3107


 27.5638, 0.5118,
0.3033


 21.4400, 0.6183,
0.3180

 32.3304, 0.4693,
0.3040

 21.4396, 0.6183,
0.3180

 38.7537, 0.4303,
0.3068

 46.9685, 0.3967,
0.3109

 57.0954, 0.3687,
0.3155

69.2446, 0.3459,
0.3202

83.5181, 0.3275,
0.3247

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.



24.2995, 0.4423, 0.2335



24.2995, 0.5543, 0.3054



24.2995, 0.5683, 0.3846

Triad

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



24.2995, 0.5543, 0.3054



24.2995, 0.2766, 0.5834



24.2995, 0.1277, 0.1490

Complementary

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



24.2995, 0.5543, 0.3054



77.3940, 0.2412, 0.3730

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.



24.2995, 0.1055, 0.1862



24.2995, 0.5543, 0.3054



24.2995, 0.1743, 0.4497

Square

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



24.2995, 0.5543, 0.3054



24.2995, 0.3933, 0.5676



24.2995, 0.1175, 0.2823



24.2995, 0.1877, 0.1484

Rectangle

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



24.2995, 0.5543, 0.3054



24.2995, 0.5293, 0.4444



24.2995, 0.1175, 0.2823



24.2995, 0.1166, 0.1566

Sweetspot

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



24.3004, 0.5543, 0.3054



64.1280, 0.3545, 0.3183



24.4333, 0.2838, 0.1444



12.8122, 0.3627, 0.3166



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.



24.3004, 0.5543, 0.3054



21.7307, 0.6087, 0.3152



33.9004, 0.5392, 0.3805



18.0379, 0.3267, 0.3250



11.2173, 0.6151, 0.3162



1.1056, 0.5868, 0.3006

Inverse Universe

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



24.3004, 0.5543, 0.3054



21.7307, 0.6087, 0.3152



44.9268, 0.2059, 0.2440



18.0379, 0.3267, 0.3250



11.2173, 0.6151, 0.3162



1.1056, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 24.2995, 0.5543, 0.3054 looks on a white background.

Color Contrast Check

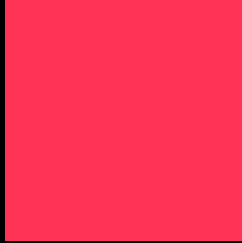
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2995, 0.5543, 0.3054 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 24.2995, 0.5543, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 24.2995, 0.5543, 0.3054.



This preview shows how white text looks on a background with the Yxy color 24.2995, 0.5543, 0.3054.

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

24.2995, 0.5543, 0.3054

Protanopia

24.4106, 0.3379, 0.3563

Deuteranopia

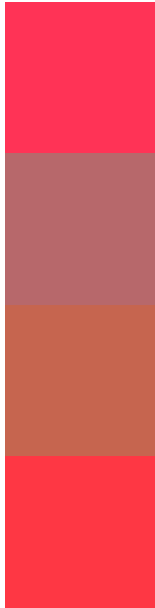
24.3155, 0.4197, 0.4107



Tritanopia

24.3026, 0.5838, 0.3292

Trichromacy



Original Color

24.2995, 0.5543, 0.3054

Protanomaly

21.0294, 0.4194, 0.3250

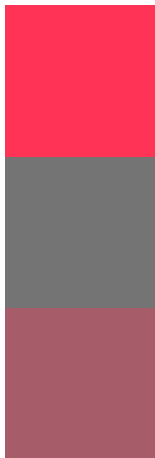
Deuteranomaly

21.8776, 0.4788, 0.3569

Tritanomaly

24.2206, 0.5743, 0.3214

Monochromacy



Original Color

24.2995, 0.5543, 0.3054

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8897, 0.4083, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2995, 0.5543, 0.3054 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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(255, 51, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 86) }
```

Border

The CSS property to change the border of an element to Yxy 24.2995, 0.5543, 0.3054 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, 86) }
```

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

```
.border{ border-color:rgb(255, 51, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2995, 0.5543, 0.3054 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, 86) }
```

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

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