

# Converting Colors

$Y_{xy}(26.8005, 0.5537, 0.3296)$

Have a look what the booklet for  
Yxy(26.8005, 0.5537, 0.3296)  
contains.

<b>Yxy(26.8002, 0.5539, 0.3297)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(26.8002, 0.5539, 0.3297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4B4B
RGB	255, 75, 75
RGB Percent	100%, 29%, 29%
CMY	0.0000, 0.7058, 0.7058
CMYK	0.00, 0.71, 0.71, 0.00
HSL	360°, 100%, 65%
HSV	360°, 71%, 100%
XYZ	45.0247, 26.8002, 9.4618
YIQ	128.8200, 107.2800, 38.1600

# Conversions

## Conversions Part 2

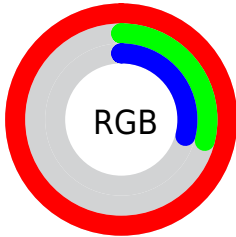
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 75, 75
Decimal	16730955
CIELab	58.79, 67.40, 40.36
CIElCh	59, 78.563, 30.913
Yxy	26.8002, 0.5539, 0.3297
Android (android.graphics.Color)	4294921035 (0xFFFF4B4B)
YUV	128.8200, -26.5333, 110.6599
Hunter-Lab	51.7689, 64.6501, 25.4018

# Details

The Yxy color **26.8002, 0.5539, 0.3297** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **80.2299, 0.2324, 0.3288**, and the grayscale version is **21.9575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7654, 0.4561, 0.3396**, and **11.0409, 0.6180, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **23.7251, 0.5967, 0.3298**, and if you desaturate by 10%, it is **31.4032, 0.5055, 0.3296**.

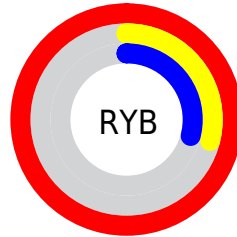
# Distribution



Red (100%)

Green (29%)

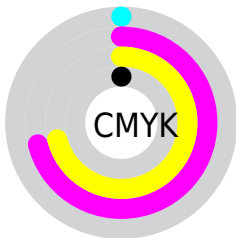
Blue (29%)



Red (100%)

Yellow (29%)

Blue (29%)

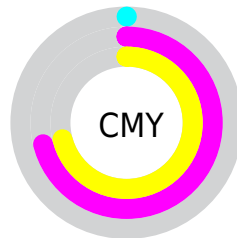


Cyan (0%)

Magenta (71%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (71%)


Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8002, 0.5539, 0.3297 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 26.8002, 0.5539, 0.3297 by changing the saturation by 10% instead.





 26.8002, 0.5539,  
0.3297

 26.8002, 0.5539,  
0.3297


286.6884, 0.4250,  
0.3407


 17.4232, 0.5862,  
0.3224


 54.5631, 0.5064,  
0.3370


 10.5367, 0.6263,  
0.3102


 73.7178, 0.4886,  
0.3387

 5.7562, 0.6772,  
0.2901

 96.9005, 0.4737,  
0.3397

 2.6974, 0.7432,  
0.2568

 124.4957, 0.4610,  
0.3403

 0.9759, 0.8048,  
0.1952

 156.8876, 0.4501,  
0.3407

 0.0000, 1.0000,  
0.0000

194.4608, 0.4406,

 0.0000, 0.0000,

0.3408

0.0000

237.5996, 0.4323,  
0.3408

■ 26.8002, 0.5539,  
0.3297

■ 26.8002, 0.5539,  
0.3297

■ 23.7251, 0.5967,  
0.3298

■ 31.4032, 0.5055,  
0.3296

■ 21.9786, 0.6264,  
0.3299

■ 37.6921, 0.4586,  
0.3294

■ 21.2583, 0.6401,  
0.3300

■ 45.8103, 0.4170,  
0.3293

■ 55.8848, 0.3823,  
0.3292

■ 68.0313, 0.3541,  
0.3291

 82.3564, 0.3316,  
0.3291

98.9593, 0.3136,  
0.3290

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.



26.8002, 0.4705, 0.2573



26.8002, 0.5539, 0.3297



26.8002, 0.5448, 0.4096

# Triad

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



26.8002, 0.5539, 0.3297



26.8002, 0.2514, 0.5426



26.8002, 0.1480, 0.1539

# Complementary

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



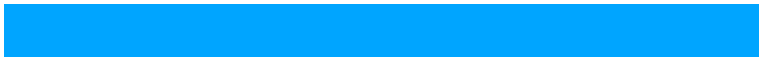
26.8002, 0.5539, 0.3297



80.2299, 0.2324, 0.3288

# 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.



26.8002, 0.1169, 0.1796



26.8002, 0.5539, 0.3297



26.8002, 0.1624, 0.3949

# Square

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



26.8002, 0.5539, 0.3297



26.8002, 0.3626, 0.5699



26.8002, 0.1195, 0.2541



26.8002, 0.2184, 0.1613



# Rectangle

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



26.8002, 0.5539, 0.3297



26.8002, 0.4990, 0.4687



26.8002, 0.1195, 0.2541



26.8002, 0.1337, 0.1583

# Sweetspot

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



26.8018, 0.5539, 0.3297



67.4818, 0.3552, 0.3291



32.9484, 0.3172, 0.1721



13.6857, 0.3624, 0.3291



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.



26.8018, 0.5539, 0.3297



22.8039, 0.6118, 0.3299



47.6096, 0.4780, 0.4105



17.9871, 0.3295, 0.3290



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300



# Inverse Universe

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



26.8018, 0.5539, 0.3297



22.8039, 0.6118, 0.3299



36.7235, 0.2038, 0.2141



17.9871, 0.3295, 0.3290



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 26.8002, 0.5539, 0.3297 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 26.8002, 0.5539, 0.3297 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 26.8002, 0.5539, 0.3297**

## Background



This preview shows how black text looks on a background with the Yxy color 26.8002, 0.5539, 0.3297.



This preview shows how white text looks on a background with the Yxy color 26.8002, 0.5539, 0.3297.

# 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

26.8002, 0.5539, 0.3297

### Protanopia

27.0192, 0.3698, 0.3986

### Deuteranopia

26.8121, 0.4351, 0.4278



## Tritanopia

26.8422, 0.5505, 0.3274

# Trichromacy



## Original Color

26.8002, 0.5539, 0.3297

## Protanomaly

24.6422, 0.4407, 0.3674

## Deuteranomaly

25.0650, 0.4859, 0.3824

## Tritanomaly

26.8280, 0.5517, 0.3282

# Monochromacy



## Original Color

26.8002, 0.5539, 0.3297

## Achromatopsia

21.9526, 0.3127, 0.3290

## Achromatomaly

21.1554, 0.4032, 0.3293

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.8002, 0.5539, 0.3297 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, 75, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 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, 75, 75) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 26.8002, 0.5539, 0.3297 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, 75, 75) }
```

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

```
.border{ border-color:rgb(255, 75, 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, 75, 75) colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 26.8002, 0.5539, 0.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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