

# Converting Colors

$Y_{xy}(26.2382, 0.5607, 0.3295)$

Have a look what the booklet for  
Yxy(26.2382, 0.5607, 0.3295)  
contains.

<b>Yxy(26.2214, 0.5612, 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(26.2214, 0.5612, 0.3297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4747
RGB	255, 71, 71
RGB Percent	100%, 28%, 28%
CMY	0.0000, 0.7216, 0.7214
CMYK	0.00, 0.72, 0.72, 0.00
HSL	360°, 100%, 64%
HSV	360°, 72%, 100%
XYZ	44.6328, 26.2214, 8.6768
YIQ	126.0160, 109.6640, 39.0080

# Conversions

## Conversions Part 2

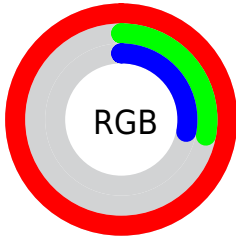
Format	Color
<b>R<sub>YB</sub></b>	255, 71, 71
Decimal	16729927
CIE Lab	58.25, 68.61, 41.95
CIE LCh	58, 80.413, 31.441
Yxy	26.2214, 0.5612, 0.3297
Android (android.graphics.Color)	4294920007 (0xFFFF4747)
YUV	126.0160, -27.1229, 113.1190
Hunter-Lab	51.2068, 65.9720, 25.7983

# Details

The Yxy color **26.2214, 0.5612, 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 **80.0772, 0.2316, 0.3288**, and the grayscale version is **20.9374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8487, 0.4624, 0.3405**, and **11.0217, 0.6224, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **23.3690, 0.6024, 0.3298**, and if you desaturate by 10%, it is **30.5721, 0.5132, 0.3296**.

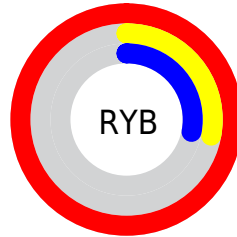
# Distribution



Red (100%)

Green (28%)

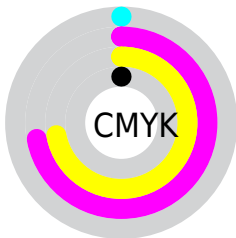
Blue (28%)



Red (100%)

Yellow (28%)

Blue (28%)

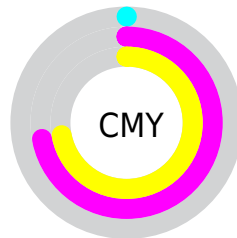


Cyan (0%)

Magenta (72%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (72%)


Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2214, 0.5612, 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 26.2214, 0.5612, 0.3297 by changing the saturation by 10% instead.





 26.2214, 0.5612,  
0.3297


 26.2214, 0.5612,  
0.3297


283.8672, 0.4285,  
0.3416


 16.9893, 0.5942,  
0.3218


 53.6319, 0.5124,  
0.3376


 10.2269, 0.6349,  
0.3087


 72.5791, 0.4941,  
0.3394


 5.5497, 0.6877,  
0.2878

 95.5336, 0.4787,  
0.3405

 2.5732, 0.7492,  
0.2508

 122.8796, 0.4656,  
0.3412

 0.9132, 0.8120,  
0.1880

 155.0015, 0.4543,  
0.3415

 0.0000, 1.0000,  
0.0000


192.2839, 0.4446,


 0.0000, 0.0000,


0.3417


0.0000


235.1110, 0.4360,  
0.3417


 26.2214, 0.5612,  
0.3297


 26.2214, 0.5612,  
0.3297


 23.3690, 0.6024,  
0.3298


 30.5721, 0.5132,  
0.3296


 21.8111, 0.6295,  
0.3299

 36.5855, 0.4657,  
0.3294


 21.2601, 0.6401,  
0.3300

 44.4071, 0.4231,  
0.3293

 54.1659, 0.3873,  
0.3292

 65.9792, 0.3582,  
0.3291

 79.9549, 0.3348,  
0.3291

 96.1934, 0.3162,  
0.3290

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.



26.2214, 0.4774, 0.2564



26.2214, 0.5612, 0.3297



26.2214, 0.5488, 0.4109

# Triad

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



26.2214, 0.5612, 0.3297



26.2214, 0.2468, 0.5486



26.2214, 0.1453, 0.1500

# Complementary

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



26.2214, 0.5612, 0.3297



80.0772, 0.2316, 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.



26.2214, 0.1133, 0.1750



26.2214, 0.5612, 0.3297



26.2214, 0.1571, 0.3936

# Square

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



26.2214, 0.5612, 0.3297



26.2214, 0.3600, 0.5772



26.2214, 0.1150, 0.2494



26.2214, 0.2176, 0.1582



# Rectangle

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



26.2214, 0.5612, 0.3297



26.2214, 0.5005, 0.4716



26.2214, 0.1150, 0.2494



26.2214, 0.1307, 0.1542

# Sweetspot

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



26.2222, 0.5612, 0.3297



66.1803, 0.3578, 0.3291



32.4098, 0.3172, 0.1701



13.4329, 0.3650, 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.



26.2222, 0.5612, 0.3297



22.4670, 0.6177, 0.3299



46.8339, 0.4824, 0.4113



17.9872, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299



# Inverse Universe

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



26.2222, 0.5612, 0.3297



22.4670, 0.6177, 0.3299



35.8568, 0.2019, 0.2111



17.9872, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 26.2214, 0.5612, 0.3297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

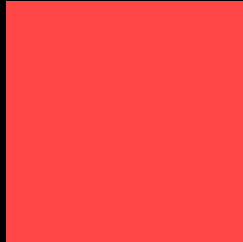
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 26.2214, 0.5612, 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 26.2214, 0.5612, 0.3297**

## Background



This preview shows how black text looks on a background with the Yxy color 26.2214, 0.5612, 0.3297.



This preview shows how white text looks on a background with the Yxy color 26.2214, 0.5612, 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

26.2214, 0.5612, 0.3297

### Protanopia

26.2578, 0.3738, 0.4024

### Deuteranopia

26.1000, 0.4394, 0.4302



## Tritanopia

26.2609, 0.5579, 0.3275

# Trichromacy



## Original Color

26.2214, 0.5612, 0.3297

## Protanomaly

23.7522, 0.4470, 0.3687

## Deuteranomaly

24.2185, 0.4923, 0.3830

## Tritanomaly

26.2475, 0.5590, 0.3283

# Monochromacy



## Original Color

26.2214, 0.5612, 0.3297

## Achromatopsia

20.8637, 0.3127, 0.3290

## Achromatomaly

20.2329, 0.4067, 0.3293

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2214, 0.5612, 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, 71, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 71)  
}
```

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, 71, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 71) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2214, 0.5612, 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, 71, 71) }
```

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

```
.border{ border-color:rgb(255, 71, 71) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
71) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2214, 0.5612, 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, 71, 71) }
```

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

```
.background{ background-color: rgb(255, 71,  
71) }
```

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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