

Converting Colors

$Y_{xy}(25.8905, 0.5653, 0.3295)$

Have a look what the booklet for
Yxy(25.8905, 0.5653, 0.3295)
contains.

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Color

Yxy(25.9459, 0.5648, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	FF4545
RGB	255, 69, 69
RGB Percent	100%, 27%, 27%
CMY	0.0000, 0.7295, 0.7292
CMYK	0.00, 0.73, 0.73, 0.00
HSL	360°, 100%, 64%
HSV	360°, 73%, 100%
XYZ	44.4472, 25.9459, 8.3024
YIQ	124.6140, 110.8560, 39.4320

Conversions

Conversions Part 2

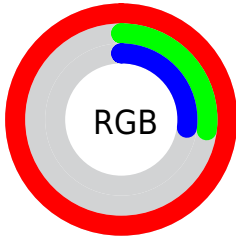
Format	Color
R_{YB}	255, 69, 69
Decimal	16729413
CIE _{Lab}	57.99, 69.19, 42.75
CIE _{LCh}	58, 81.334, 31.711
Yxy	25.9459, 0.5648, 0.3297
Android (android.graphics.Color)	4294919493 (0xFFFF4545)
YUV	124.6140, -27.4177, 114.3485
Hunter-Lab	50.9371, 66.6173, 25.9922

Details

The Yxy color **25.9459, 0.5648, 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 **80.0012, 0.2312, 0.3288**, and the grayscale version is **20.4362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2685, 0.4659, 0.3405**, and **11.0131, 0.6244, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **23.2019, 0.6051, 0.3298**, and if you desaturate by 10%, it is **30.1702, 0.5170, 0.3296**.

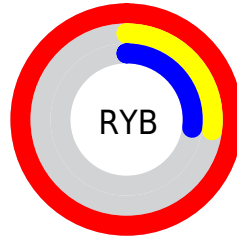
Distribution



Red (100%)

Green (27%)

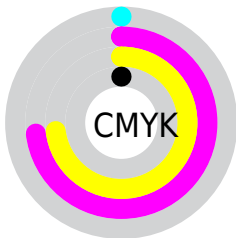
Blue (27%)



Red (100%)

Yellow (27%)

Blue (27%)

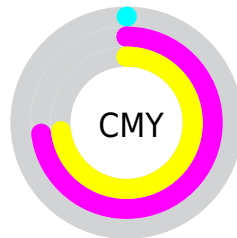


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9459, 0.5648, 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 25.9459, 0.5648, 0.3297 by changing the saturation by 10% instead.


 25.9459, 0.5648,
0.3297


 25.9459, 0.5648,
0.3297


282.5164, 0.4302,
0.3420

 16.7832, 0.5981,
0.3215


 53.1877, 0.5154,
0.3379


 10.0800, 0.6391,
0.3079

 72.0355, 0.4968,
0.3398


 5.4520, 0.6930,
0.2867

 94.8804, 0.4812,
0.3410

 2.5149, 0.7521,
0.2479

 122.1070, 0.4679,
0.3416

 0.8841, 0.8155,
0.1845

 154.0994, 0.4565,
0.3420

 0.0000, 1.0000,
0.0000

191.2422, 0.4465,

 0.0000, 0.0000,

0.3421

0.0000

233.9198, 0.4379,
0.3421

■ 25.9459, 0.5648,
0.3297

■ 25.9459, 0.5648,
0.3297

■ 23.2019, 0.6051,
0.3298

■ 30.1702, 0.5170,
0.3296

■ 21.7361, 0.6309,
0.3299


■ 36.0467, 0.4693,
0.3294

■ 21.2602, 0.6401,
0.3300

■ 43.7205, 0.4262,
0.3293

■ 53.3218, 0.3899,
0.3292

■ 64.9687, 0.3602,
0.3291

 78.7697, 0.3365,
0.3291

 94.8257, 0.3175,
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.



25.9459, 0.4809, 0.2560



25.9459, 0.5648, 0.3297



25.9459, 0.5507, 0.4115

Triad

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



25.9459, 0.5648, 0.3297



25.9459, 0.2444, 0.5515



25.9459, 0.1440, 0.1481

Complementary

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



25.9459, 0.5648, 0.3297



80.0012, 0.2312, 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.



25.9459, 0.1115, 0.1727



25.9459, 0.5648, 0.3297



25.9459, 0.1544, 0.3929

Square

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



25.9459, 0.5648, 0.3297



25.9459, 0.3585, 0.5809



25.9459, 0.1127, 0.2470



25.9459, 0.2172, 0.1567

Rectangle

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



25.9459, 0.5648, 0.3297



25.9459, 0.5011, 0.4730



25.9459, 0.1127, 0.2470



25.9459, 0.1292, 0.1521

Sweetspot

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



25.9449, 0.5648, 0.3297



66.1805, 0.3578, 0.3291



32.1514, 0.3172, 0.1692



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.



25.9449, 0.5648, 0.3297



22.3164, 0.6203, 0.3299



46.4492, 0.4846, 0.4116



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Inverse Universe

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



25.9449, 0.5648, 0.3297



22.3164, 0.6203, 0.3299



35.4289, 0.2010, 0.2096



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 25.9459, 0.5648, 0.3297 looks on a white background.

Color Contrast Check

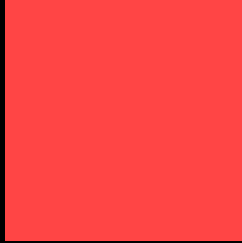
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9459, 0.5648, 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 25.9459, 0.5648, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 25.9459, 0.5648, 0.3297.



This preview shows how white text looks on a background with the Yxy color 25.9459, 0.5648, 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

25.9459, 0.5648, 0.3297

Protanopia

26.1258, 0.3747, 0.4059

Deuteranopia

25.9547, 0.4408, 0.4340



Tritanopia

25.9712, 0.5626, 0.3283

Trichromacy



Original Color

25.9459, 0.5648, 0.3297

Protanomaly

23.4935, 0.4504, 0.3699

Deuteranomaly

24.1853, 0.4953, 0.3859

Tritanomaly

25.9584, 0.5637, 0.3290

Monochromacy



Original Color

25.9459, 0.5648, 0.3297

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.8937, 0.4074, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9459, 0.5648, 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, 69, 69)` looks like.

```
.text, #text, p{  
  color:rgb(255, 69, 69)  
}
```

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, 69, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 69) }
```

Border

The CSS property to change the border of an element to Yxy 25.9459, 0.5648, 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, 69, 69) }
```

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

```
.border{ border-color:rgb(255, 69, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9459, 0.5648, 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, 69, 69) }
```

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

```
.background{ background-color: rgb(255, 69,  
69) }
```

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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