

Converting Colors

$Y_{xy}(25.7632, 0.5996, 0.3544)$

Have a look what the booklet for
Yxy(25.7632, 0.5996, 0.3544)
contains.

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Color

Yxy(25.8170, 0.5993, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	FF4714
RGB	255, 71, 20
RGB Percent	100%, 28%, 8%
CMY	0.0000, 0.7215, 0.9214
CMYK	0.00, 0.72, 0.92, 0.00
HSL	13°, 100%, 54%
HSV	13°, 92%, 100%
XYZ	43.6203, 25.8170, 3.3481
YIQ	120.2020, 126.0350, 23.1470

Conversions

Conversions Part 2

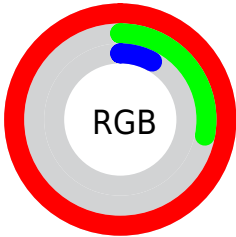
Format	Color
RYB	255, 85, 20
Decimal	16729876
CIELab	57.86, 67.30, 64.69
CIELCh	58, 93.350, 43.868
Yxy	25.8170, 0.5993, 0.3547
Android (android.graphics.Color)	4294919956 (0xFFFF4714)
YUV	120.2020, -49.3996, 118.2178
Hunter-Lab	50.8104, 64.3225, 31.6604

Details

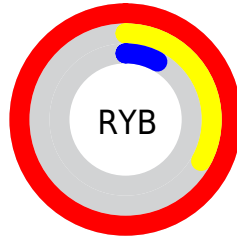
The Yxy color **25.8170, 0.5993, 0.3547** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **50.5736, 0.2072, 0.2623**, and the grayscale version is **18.9849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7197, 0.5083, 0.3799**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.0219, 0.6174, 0.3480**, and if you desaturate by 10%, it is **28.9323, 0.5674, 0.3611**.

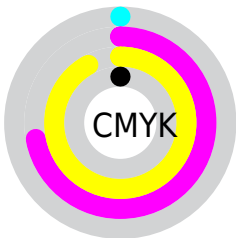
Distribution



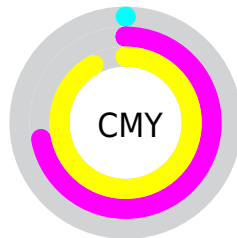
- Red (100%)
- Green (28%)
- Blue (8%)



- Red (100%)
- Yellow (33%)
- Blue (8%)



- Cyan (0%)
- Magenta (72%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (72%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8170, 0.5993, 0.3547 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 25.8170, 0.5993, 0.3547 by changing the saturation by 10% instead.


 25.8170, 0.5993,
0.3547


 25.8170, 0.5993,
0.3547


281.8826, 0.4545,
0.3639

 16.6868, 0.6299,
0.3438


 52.9796, 0.5497,
0.3645

 10.0114, 0.6701,
0.3285

 71.7807, 0.5299,
0.3662

 5.4065, 0.7032,
0.2968

 94.5743, 0.5127,
0.3669

 2.4877, 0.7478,
0.2522

 121.7447, 0.4979,
0.3668

 0.8705, 0.8114,
0.1886

 153.6764, 0.4849,
0.3664


 0.0000, 1.0000,
0.0000


 190.7536, 0.4735,


 0.0000, 0.0000,


0.3657


0.0000


 233.3609, 0.4634,
0.3648


 25.8170, 0.5993,
0.3547


 25.8170, 0.5993,
0.3547


 24.0219, 0.6174,
0.3480

 28.9323, 0.5674,
0.3611

 33.0731, 0.5284,
0.3636

 38.3250, 0.4871,
0.3626

 44.7629, 0.4475,
0.3590

 52.4550, 0.4120,
0.3538

61.4640, 0.3813,
0.3478

71.8484, 0.3554,
0.3417

83.6633, 0.3339,
0.3357

96.9604, 0.3161,
0.3301

Harmonies

Analogous

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



25.8170, 0.5559, 0.2759



25.8170, 0.5993, 0.3547



25.8170, 0.5392, 0.4485

Triad

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



25.8170, 0.5993, 0.3547



25.8170, 0.1852, 0.5257



25.8170, 0.1528, 0.1311

Complementary

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



25.8170, 0.5993, 0.3547



50.5736, 0.2072, 0.2623

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.



25.8170, 0.1034, 0.1403



25.8170, 0.5993, 0.3547



25.8170, 0.1116, 0.3208

Square

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



25.8170, 0.5993, 0.3547



25.8170, 0.3015, 0.6270



25.8170, 0.0896, 0.1923



25.8170, 0.2530, 0.1528

Rectangle

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



25.8170, 0.5993, 0.3547



25.8170, 0.4679, 0.5227



25.8170, 0.0896, 0.1923



25.8170, 0.1316, 0.1306

Sweetspot

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



25.8184, 0.5993, 0.3547



65.5907, 0.3700, 0.3453



26.1262, 0.3797, 0.1893



13.1190, 0.3818, 0.3479



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.



25.8184, 0.5993, 0.3547



24.0219, 0.6174, 0.3480



57.4613, 0.4735, 0.4578



18.6256, 0.3289, 0.3342



12.7282, 0.6148, 0.3500



1.3911, 0.5938, 0.3667

Inverse Universe

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



50.5736, 0.2072, 0.2623



48.3853, 0.2045, 0.2561



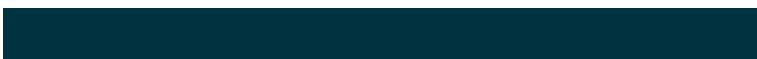
14.1240, 0.1645, 0.1070



19.7734, 0.2980, 0.3237



25.5113, 0.2049, 0.2574



2.6419, 0.2074, 0.2665

Previews

White Background



This preview shows how the Yxy color 25.8170, 0.5993, 0.3547 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 25.8170, 0.5993, 0.3547 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 25.8170, 0.5993, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 25.8170, 0.5993, 0.3547.



This preview shows how white text looks on a background with the Yxy color 25.8170, 0.5993, 0.3547.

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

25.8170, 0.5993, 0.3547

Protanopia

25.9577, 0.4266, 0.4728

Tritanopia

25.8364, 0.5644, 0.3283

Trichromacy



Original Color

25.8170, 0.5993, 0.3547

Protanomaly

23.5669, 0.5017, 0.4205

Tritanomaly

25.7642, 0.5814, 0.3405

Monochromacy



Original Color

25.8170, 0.5993, 0.3547

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5779, 0.4362, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8170, 0.5993, 0.3547 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 20) }
```

Border

The CSS property to change the border of an element to Yxy 25.8170, 0.5993, 0.3547 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, 20) }
```

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

```
.border{ border-color:rgb(255, 71, 20) }
```

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, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
20) }
```

Background

The CSS property to change the background color of an element to Yxy 25.8170, 0.5993, 0.3547 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, 20) }
```

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

```
.background{ background-color: rgb(255, 71,  
20) }
```

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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