

Converting Colors

$Y_{xy}(23.9105, 0.6075, 0.3396)$

Have a look what the booklet for
Yxy(23.9105, 0.6075, 0.3396)
contains.

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Color

Yxy(23.9105, 0.6075, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	FF3520
RGB	255, 53, 32
RGB Percent	100%, 21%, 13%
CMY	0.0000, 0.7921, 0.8747
CMYK	0.00, 0.79, 0.87, 0.00
HSL	6°, 100%, 56%
HSV	6°, 87%, 100%
XYZ	42.7728, 23.9105, 3.7246
YIQ	111.0040, 127.1330, 36.2930

Conversions

Conversions Part 2

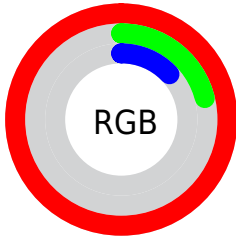
Format	Color
R_{YB}	255, 55, 32
Decimal	16725280
CIE _{Lab}	56.00, 72.82, 59.21
CIE _{LCh}	56, 93.857, 39.114
Yxy	23.9105, 0.6075, 0.3396
Android (android.graphics.Color)	4294915360 (0xFFFF3520)
YUV	111.0040, -38.9490, 126.2845
Hunter-Lab	48.8984, 70.5668, 29.7128

Details

The Yxy color **23.9105, 0.6075, 0.3396** 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 **66.3344, 0.2191, 0.3025**, and the grayscale version is **15.9877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5918, 0.5129, 0.3611**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.1987, 0.6304, 0.3353**, and if you desaturate by 10%, it is **26.7444, 0.5710, 0.3426**.

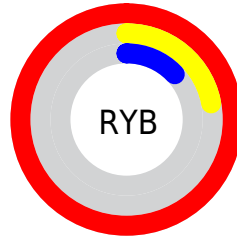
Distribution



Red (100%)

Green (21%)

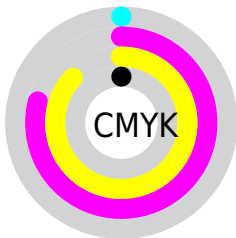
Blue (13%)



Red (100%)

Yellow (22%)

Blue (13%)

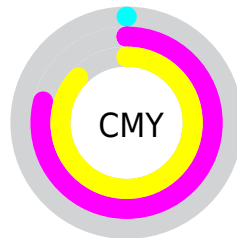


Cyan (0%)

Magenta (79%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9105, 0.6075, 0.3396 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 23.9105, 0.6075, 0.3396 by changing the saturation by 10% instead.


 23.9105, 0.6075,
0.3396


 23.9105, 0.6075,
0.3396


272.3677, 0.4551,
0.3555


 15.2672, 0.6410,
0.3273


 49.8841, 0.5542,
0.3516

 9.0072, 0.6838,
0.3093


 67.9833, 0.5332,
0.3542

 4.7459, 0.7238,
0.2762

 90.0031, 0.5153,
0.3557

 2.0989, 0.7723,
0.2277

 116.3282, 0.4998,
0.3563

 0.6640, 0.8436,
0.1564

 147.3428, 0.4863,
0.3565


 0.0000, 1.0000,
0.0000


 183.4313, 0.4746,


 0.0000, 0.0000,


0.3564

0.0000


 224.9781, 0.4642,
0.3560


 23.9105, 0.6075,
0.3396


 23.9105, 0.6075,
0.3396


 22.1987, 0.6304,
0.3353


 26.7444, 0.5710,
0.3426

 21.9160, 0.6344,
0.3345

 30.8466, 0.5267,
0.3436

 36.3448, 0.4810,
0.3430

 43.3502, 0.4386,
0.3412

 51.9626, 0.4018,
0.3388

62.2733, 0.3710,
0.3361

74.3666, 0.3458,
0.3334

88.3214, 0.3254,
0.3308

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



23.9105, 0.5443, 0.2615



23.9105, 0.6075, 0.3396



23.9105, 0.5574, 0.4314

Triad

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



23.9105, 0.6075, 0.3396



23.9105, 0.1977, 0.5633



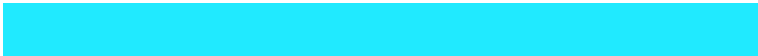
23.9105, 0.1385, 0.1267

Complementary

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



23.9105, 0.6075, 0.3396



66.3344, 0.2191, 0.3025

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.



23.9105, 0.0953, 0.1411



23.9105, 0.6075, 0.3396



23.9105, 0.1148, 0.3501

Square

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



23.9105, 0.6075, 0.3396



23.9105, 0.3186, 0.6327



23.9105, 0.0864, 0.2027



23.9105, 0.2308, 0.1438

Rectangle

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



23.9105, 0.6075, 0.3396



23.9105, 0.4888, 0.5072



23.9105, 0.0864, 0.2027



23.9105, 0.1196, 0.1277

Sweetspot

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



23.9120, 0.6075, 0.3396



63.9339, 0.3670, 0.3357



28.3704, 0.3401, 0.1694



12.8584, 0.3767, 0.3366



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.



23.9120, 0.6075, 0.3396



21.9166, 0.6344, 0.3345



47.2274, 0.4981, 0.4322



18.2628, 0.3292, 0.3313



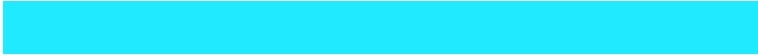
11.5434, 0.6329, 0.3357



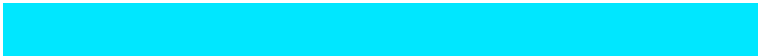
1.2123, 0.6189, 0.3468

Inverse Universe

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



66.3344, 0.2191, 0.3025



64.3263, 0.2163, 0.2985



22.1666, 0.1783, 0.1522



20.1708, 0.2980, 0.3267



33.7323, 0.2164, 0.2990



3.3662, 0.2174, 0.3027

Previews

White Background



This preview shows how the Yxy color 23.9105, 0.6075, 0.3396 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 23.9105, 0.6075, 0.3396 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 23.9105, 0.6075, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 23.9105, 0.6075, 0.3396.



This preview shows how white text looks on a background with the Yxy color 23.9105, 0.6075, 0.3396.

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

23.9105, 0.6075, 0.3396

Protanopia

24.0510, 0.4159, 0.4580

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.9550, 0.5940, 0.3304

Trichromacy



Original Color

23.9105, 0.6075, 0.3396

Protanomaly

20.9764, 0.5021, 0.4013

Deuteranomaly

21.7514, 0.5376, 0.4059

Tritanomaly

23.8978, 0.5999, 0.3340

Monochromacy



Original Color

23.9105, 0.6075, 0.3396

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7081, 0.4415, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9105, 0.6075, 0.3396 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, 53, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 32)  
}
```

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, 53, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 32) }
```

Border

The CSS property to change the border of an element to Yxy 23.9105, 0.6075, 0.3396 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, 53, 32) }
```

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

```
.border{ border-color:rgb(255, 53, 32) }
```

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

Here you see how a box with a 4 pixel rgb(255, 53, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9105, 0.6075, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 32) }
```

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

```
.background{ background-color: rgb(255, 53,  
32) }
```

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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