

Converting Colors

$Y_{xy}(13.4975, 0.4795, 0.3070)$

Have a look what the booklet for
Yxy(13.4975, 0.4795, 0.3070)
contains.

Yxy(13.5037, 0.4786, 0.3064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5037, 0.4786, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	AF4152
RGB	175, 65, 82
RGB Percent	69%, 25%, 32%
CMY	0.3137, 0.7451, 0.6785
CMYK	0.00, 0.63, 0.53, 0.31
HSL	351°, 46%, 47%
HSV	351°, 63%, 69%
XYZ	21.0929, 13.5037, 9.4755
YIQ	99.8280, 60.1030, 28.6070

Conversions

Conversions Part 2

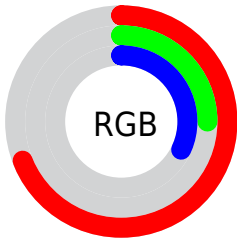
Format	Color
R_{YB}	175, 65, 82
Decimal	11485522
CIE Lab	43.51, 46.20, 13.98
CIE LCh	44, 48.265, 16.835
Yxy	13.5037, 0.4786, 0.3064
Android (android.graphics.Color)	4289675602 (0xFFAF4152)
YUV	99.8280, -8.7892, 65.9258
Hunter-Lab	36.7474, 38.1507, 10.4349

Details

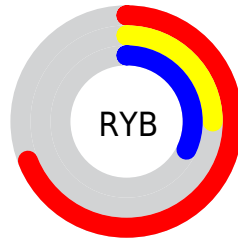
The Yxy color **13.5037, 0.4786, 0.3064** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **34.2547, 0.2476, 0.3581**, and the grayscale version is **12.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2577, 0.4377, 0.3149**, and **3.9436, 0.5565, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **11.5955, 0.5211, 0.3062**, and if you desaturate by 10%, it is **16.0844, 0.4390, 0.3086**.

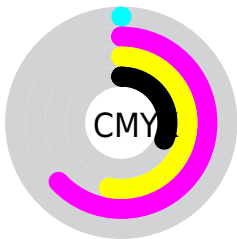
Distribution



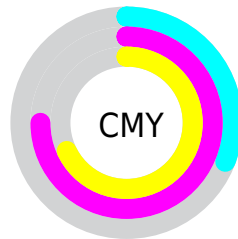
- Red (69%)
- Green (25%)
- Blue (32%)



- Red (69%)
- Yellow (25%)
- Blue (32%)



- Cyan (0%)
- Magenta (63%)
- Yellow (53%)
- Black (31%)




- Cyan (31%)
- Magenta (75%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5037, 0.4786, 0.3064 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 13.5037, 0.4786, 0.3064 by changing the saturation by 10% instead.


 13.5037, 0.4786,
0.3064

 13.5037, 0.4786,
0.3064


214.1211, 0.3785,
0.3235


 7.7763, 0.5111,
0.2987


 32.2058, 0.4371,
0.3147


 3.9521, 0.5580,
0.2858

 45.9493, 0.4232,
0.3171

 1.6468, 0.6330,
0.2629

 63.1336, 0.4120,
0.3189

 0.3889, 0.8122,
0.1878

 84.1431, 0.4028,
0.3203

 0.0000, 1.0000,
0.0000

 109.3622, 0.3952,
0.3214

 0.0000, 0.0000,
0.0000

139.1753, 0.3888,

0.3222

173.9668, 0.3833,
0.3229

■ 13.5037, 0.4786,
0.3064

■ 13.5037, 0.4786,
0.3064

■ 11.5955, 0.5211,
0.3062

■ 16.0844, 0.4390,
0.3086

■ 10.2946, 0.5627,
0.3086

■ 19.3902, 0.4045,
0.3120

■ 9.5271, 0.5980,
0.3137

■ 23.4712, 0.3754,
0.3159

■ 9.1937, 0.6177,
0.3177

■ 28.3722, 0.3516,
0.3201

■ 34.1348, 0.3322,
0.3241

■ 40.7978, 0.3166,
0.3280

■ 48.3973, 0.3040,
0.3315

■ 56.9677, 0.2937,
0.3347

■ 66.5417, 0.2853,
0.3377

Harmonies

Analogous

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



13.5037, 0.3886, 0.2468



13.5037, 0.4786, 0.3064



13.5037, 0.5109, 0.3738

Triad

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



13.5037, 0.4786, 0.3064



13.5037, 0.3130, 0.5128



13.5037, 0.1600, 0.1920

Complementary

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



13.5037, 0.4786, 0.3064



34.2547, 0.2476, 0.3581

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.



13.5037, 0.1473, 0.2344



13.5037, 0.4786, 0.3064



13.5037, 0.2259, 0.4361

Square

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



13.5037, 0.4786, 0.3064



13.5037, 0.4049, 0.5039



13.5037, 0.1679, 0.3204



13.5037, 0.2050, 0.1840

Rectangle

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



13.5037, 0.4786, 0.3064



13.5037, 0.4955, 0.4208



13.5037, 0.1679, 0.3204



13.5037, 0.1523, 0.2018

Sweetspot

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



13.5044, 0.4786, 0.3064



54.2721, 0.3443, 0.3215



14.0113, 0.2952, 0.1762



11.4465, 0.3501, 0.3204



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.5044, 0.4786, 0.3064



19.8480, 0.5358, 0.3067



18.9342, 0.4698, 0.3809



8.0348, 0.3263, 0.3255



6.5896, 0.6154, 0.3164



0.1893, 0.5467, 0.2786

Inverse Universe

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



13.5044, 0.4786, 0.3064



19.8480, 0.5358, 0.3067



22.4931, 0.2230, 0.2632



8.0348, 0.3263, 0.3255



6.5896, 0.6154, 0.3164



0.1893, 0.5467, 0.2786

Previews

White Background



This preview shows how the Yxy color 13.5037, 0.4786, 0.3064 looks on a white background.

Color Contrast Check

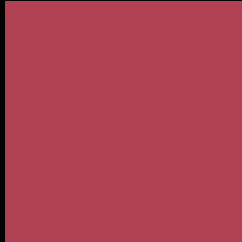
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.5037, 0.4786, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

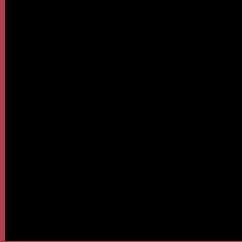
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.5037, 0.4786, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 13.5037, 0.4786, 0.3064.



This preview shows how white text looks on a background with the Yxy color 13.5037, 0.4786, 0.3064.

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

13.5037, 0.4786, 0.3064

Protanopia

13.7043, 0.3197, 0.3333

Deuteranopia

13.5971, 0.3805, 0.3741



Tritanopia

13.4679, 0.4959, 0.3242

Trichromacy



Original Color

13.5037, 0.4786, 0.3064

Protanomaly

12.7782, 0.3738, 0.3195

Deuteranomaly

13.0436, 0.4167, 0.3439

Tritanomaly

13.4031, 0.4895, 0.3174

Monochromacy



Original Color

13.5037, 0.4786, 0.3064

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.1187, 0.3700, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5037, 0.4786, 0.3064 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(175, 65, 82)` looks like.

```
.text, #text, p{  
    color:rgb(175, 65, 82)  
}
```

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(175, 65, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 65, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.5037, 0.4786, 0.3064 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(175, 65, 82) }
```

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

```
.border{ border-color:rgb(175, 65, 82) }
```

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

Here you see how a box with a 4 pixel rgb(175, 65, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 65, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 65, 82);  
box-shadow:4px 4px 4px 4px rgb(175, 65,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5037, 0.4786, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 65, 82) }
```

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

```
.background{ background-color: rgb(175, 65,  
82) }
```

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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