

Converting Colors

$Y_{xy}(13.5440, 0.5125, 0.3246)$

Have a look what the booklet for
Yxy(13.5440, 0.5125, 0.3246)
contains.

Yxy(13.5440, 0.5125, 0.3246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.5440, 0.5125, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	B33F43
RGB	179, 63, 67
RGB Percent	70%, 25%, 26%
CMY	0.2980, 0.7530, 0.7373
CMYK	0.00, 0.65, 0.63, 0.30
HSL	358°, 48%, 47%
HSV	358°, 65%, 70%
XYZ	21.3842, 13.5440, 6.7970
YIQ	98.1400, 67.8520, 25.8360

Conversions

Conversions Part 2

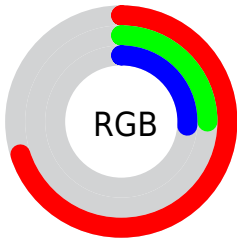
Format	Color
R_{YB}	179, 63, 67
Decimal	11747139
CIE Lab	43.57, 47.33, 23.37
CIE LCh	44, 52.785, 26.281
Yxy	13.5440, 0.5125, 0.3246
Android (android.graphics.Color)	4289937219 (0xFFB33F43)
YUV	98.1400, -15.3520, 70.9142
Hunter-Lab	36.8022, 39.3149, 14.8112

Details

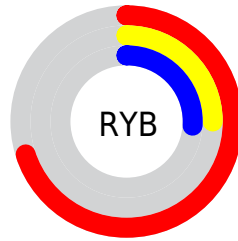
The Yxy color **13.5440, 0.5125, 0.3246** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **36.3992, 0.2387, 0.3354**, and the grayscale version is **12.2763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2539, 0.4639, 0.3305**, and **4.0590, 0.5993, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **11.6970, 0.5587, 0.3250**, and if you desaturate by 10%, it is **16.0989, 0.4668, 0.3248**.

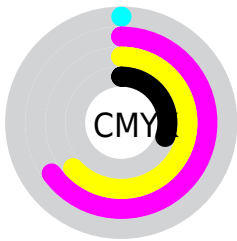
Distribution



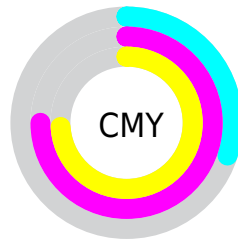
- Red (70%)
- Green (25%)
- Blue (26%)



- Red (70%)
- Yellow (25%)
- Blue (26%)



- Cyan (0%)
- Magenta (65%)
- Yellow (63%)
- Black (30%)




- Cyan (30%)
- Magenta (75%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5440, 0.5125, 0.3246 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 13.5440, 0.5125, 0.3246 by changing the saturation by 10% instead.


 13.5440, 0.5125,
0.3246


 13.5440, 0.5125,
0.3246


214.3753, 0.3926,
0.3340


 7.8042, 0.5500,
0.3175


 32.2777, 0.4634,
0.3309


 3.9699, 0.6021,
0.3039

 46.0404, 0.4467,
0.3322

 1.6567, 0.7100,
0.2897

 63.2462, 0.4332,
0.3330

 0.3954, 0.8145,
0.1855

 84.2795, 0.4222,
0.3335

 0.0000, 1.0000,
0.0000

 109.5246, 0.4129,
0.3338

 0.0000, 0.0000,
0.0000

139.3660, 0.4051,

0.3339

174.1881, 0.3984,
0.3340

■ 13.5440, 0.5125,
0.3246

■ 13.5440, 0.5125,
0.3246

■ 11.6970, 0.5587,
0.3250

■ 16.0989, 0.4668,
0.3248

■ 10.4849, 0.5990,
0.3261

■ 19.4208, 0.4257,
0.3253

■ 9.8223, 0.6267,
0.3278

■ 23.5653, 0.3908,
0.3261

■ 9.5994, 0.6363,
0.3279

■ 28.5823, 0.3621,
0.3269

■ 34.5176, 0.3389,
0.3278

■ 41.4138, 0.3203,
0.3286

■ 49.3108, 0.3054,
0.3294

■ 58.2465, 0.2934,
0.3301

■ 68.2564, 0.2836,
0.3307

Harmonies

Analogous

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



13.5440, 0.4304, 0.2587



13.5440, 0.5125, 0.3246



13.5440, 0.5218, 0.3970

Triad

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



13.5440, 0.5125, 0.3246



13.5440, 0.2793, 0.5157



13.5440, 0.1606, 0.1760

Complementary

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



13.5440, 0.5125, 0.3246



36.3992, 0.2387, 0.3354

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.



13.5440, 0.1369, 0.2071



13.5440, 0.5125, 0.3246



13.5440, 0.1940, 0.4064

Square

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



13.5440, 0.5125, 0.3246



13.5440, 0.3788, 0.5306



13.5440, 0.1461, 0.2833



13.5440, 0.2193, 0.1777

Rectangle

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



13.5440, 0.5125, 0.3246



13.5440, 0.4910, 0.4478



13.5440, 0.1461, 0.2833



13.5440, 0.1491, 0.1822

Sweetspot

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



13.5448, 0.5125, 0.3246



56.8089, 0.3487, 0.3274



15.7180, 0.3120, 0.1803



11.9290, 0.3554, 0.3272



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.5448, 0.5125, 0.3246



19.8348, 0.5780, 0.3255



22.2521, 0.4617, 0.4006



8.5099, 0.3282, 0.3283



6.7839, 0.6355, 0.3275



0.2150, 0.6168, 0.3172

Inverse Universe

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



13.5448, 0.5125, 0.3246



19.8348, 0.5780, 0.3255



19.4401, 0.2147, 0.2352



8.5099, 0.3282, 0.3283



6.7839, 0.6355, 0.3275



0.2150, 0.6168, 0.3172

Previews

White Background



This preview shows how the Yxy color 13.5440, 0.5125, 0.3246 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 13.5440, 0.5125, 0.3246 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 13.5440, 0.5125, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 13.5440, 0.5125, 0.3246.



This preview shows how white text looks on a background with the Yxy color 13.5440, 0.5125, 0.3246.

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

13.5440, 0.5125, 0.3246

Protanopia

13.8557, 0.3488, 0.3723

Deuteranopia

13.6962, 0.4099, 0.4037



Tritanopia

13.5440, 0.5125, 0.3246

Trichromacy



Original Color

13.5440, 0.5125, 0.3246

Protanomaly

12.8457, 0.4072, 0.3502

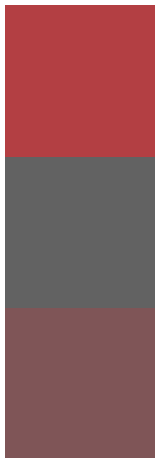
Deuteranomaly

13.0342, 0.4503, 0.3691

Tritanomaly

13.5440, 0.5125, 0.3246

Monochromacy



Original Color

13.5440, 0.5125, 0.3246

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.6971, 0.3815, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5440, 0.5125, 0.3246 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(179, 63, 67)` looks like.

```
.text, #text, p{  
  color:rgb(179, 63, 67)  
}
```

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(179, 63, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 63, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.5440, 0.5125, 0.3246 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(179, 63, 67) }
```

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

```
.border{ border-color:rgb(179, 63, 67) }
```

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

Here you see how a box with a 4 pixel rgb(179, 63, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 63, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 63, 67);  
box-shadow:4px 4px 4px 4px rgb(179, 63,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5440, 0.5125, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 63, 67) }
```

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

```
.background{ background-color: rgb(179, 63,  
67) }
```

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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