

Converting Colors

$Y_{xy}(13.4461, 0.5806, 0.3251)$

Have a look what the booklet for
Yxy(13.4461, 0.5806, 0.3251)
contains.

Yxy(13.4506, 0.5804, 0.3250)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4506, 0.5804, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	C4282E
RGB	196, 40, 46
RGB Percent	77%, 16%, 18%
CMY	0.2313, 0.8432, 0.8196
CMYK	0.00, 0.80, 0.77, 0.23
HSL	358°, 66%, 46%
HSV	358°, 80%, 77%
XYZ	24.0207, 13.4506, 3.9152
YIQ	87.3280, 91.0500, 34.9380

Conversions

Conversions Part 2

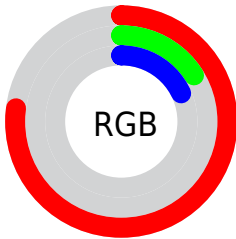
Format	Color
R_{YB}	196, 40, 46
Decimal	12855342
CIE _{Lab}	43.43, 59.94, 36.46
CIE _{LCh}	43, 70.156, 31.313
Yxy	13.4506, 0.5804, 0.3250
Android (android.graphics.Color)	4291045422 (0xFFC4282E)
YUV	87.3280, -20.3747, 95.3053
Hunter-Lab	36.6751, 52.7290, 19.3432

Details

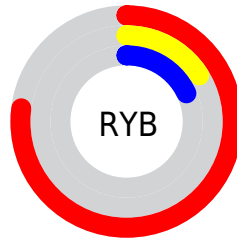
The Yxy color **13.4506, 0.5804, 0.3250** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **43.6563, 0.2316, 0.3381**, and the grayscale version is **9.6331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1470, 0.5160, 0.3367**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.3317, 0.6151, 0.3266**, and if you desaturate by 10%, it is **15.3057, 0.5361, 0.3242**.

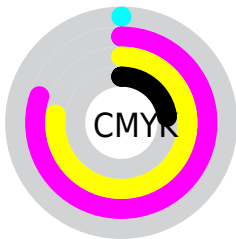
Distribution



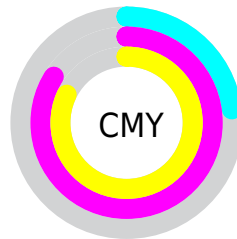
- Red (77%)
- Green (16%)
- Blue (18%)



- Red (77%)
- Yellow (16%)
- Blue (18%)



- Cyan (0%)
- Magenta (80%)
- Yellow (77%)
- Black (23%)





- Cyan (23%)
- Magenta (84%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4506, 0.5804, 0.3250 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 13.4506, 0.5804, 0.3250 by changing the saturation by 10% instead.


 13.4506, 0.5804,
0.3250


 13.4506, 0.5804,
0.3250


213.7857, 0.4236,
0.3413


 7.7396, 0.6241,
0.3122


 32.1110, 0.5188,
0.3364


 3.9288, 0.6873,
0.2922

 45.8291, 0.4969,
0.3389


 1.6338, 0.7521,
0.2479

 62.9850, 0.4789,
0.3403

 0.3802, 0.8558,
0.1442

 83.9631, 0.4640,
0.3410

 0.0000, 1.0000,
0.0000

 109.1479, 0.4515,
0.3414

 0.0000, 0.0000,
0.0000

 138.9236, 0.4408,

0.3415

173.6747, 0.4316,
0.3414

■ 13.4506, 0.5804,
0.3250

■ 13.4506, 0.5804,
0.3250

■ 12.3317, 0.6151,
0.3266

■ 15.3057, 0.5361,
0.3242

■ 11.7732, 0.6357,
0.3279

■ 17.9912, 0.4893,
0.3240

■ 11.7549, 0.6363,
0.3279

■ 21.5903, 0.4454,
0.3245

■ 26.1751, 0.4072,
0.3252

■ 31.8107, 0.3753,
0.3262

■ 38.5565, 0.3495,
0.3272

■ 46.4676, 0.3288,
0.3281

■ 55.5954, 0.3121,
0.3290

■ 65.9881, 0.2988,
0.3299

Harmonies

Analogous

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



13.4506, 0.4908, 0.2498



13.4506, 0.5804, 0.3250



13.4506, 0.5628, 0.4088

Triad

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



13.4506, 0.5804, 0.3250



13.4506, 0.2387, 0.5726



13.4506, 0.1350, 0.1394

Complementary

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



13.4506, 0.5804, 0.3250



43.6563, 0.2316, 0.3381

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.



13.4506, 0.1023, 0.1643



13.4506, 0.5804, 0.3250



13.4506, 0.1453, 0.3992

Square

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



13.4506, 0.5804, 0.3250



13.4506, 0.3575, 0.5961



13.4506, 0.1032, 0.2415



13.4506, 0.2098, 0.1481

Rectangle

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



13.4506, 0.5804, 0.3250



13.4506, 0.5106, 0.4757



13.4506, 0.1032, 0.2415



13.4506, 0.1201, 0.1435

Sweetspot

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



13.4514, 0.5804, 0.3250



63.7476, 0.3611, 0.3267



16.2211, 0.3107, 0.1599



12.7236, 0.3708, 0.3263



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.



13.4514, 0.5804, 0.3250



21.5307, 0.6320, 0.3281



23.0852, 0.5063, 0.4066



10.0841, 0.3283, 0.3282



7.5544, 0.6353, 0.3273



0.3286, 0.6179, 0.3178

Inverse Universe

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



13.4514, 0.5804, 0.3250



21.5307, 0.6320, 0.3281



19.3073, 0.1974, 0.2085



10.0841, 0.3283, 0.3282



7.5544, 0.6353, 0.3273



0.3286, 0.6179, 0.3178

Previews

White Background



This preview shows how the Yxy color 13.4506, 0.5804, 0.3250 looks on a white background.

Color Contrast Check

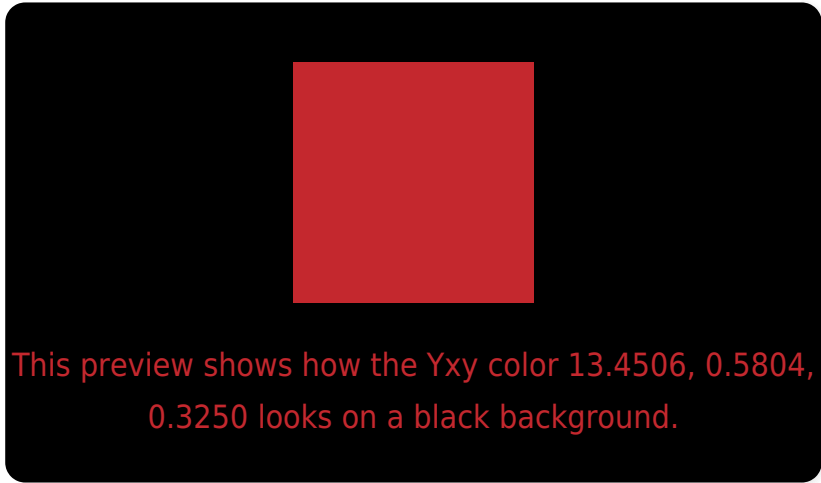
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.4506, 0.5804, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 13.4506, 0.5804, 0.3250.



This preview shows how white text looks on a background with the Yxy color 13.4506, 0.5804, 0.3250.

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

13.4506, 0.5804, 0.3250

Protanopia

13.7930, 0.3795, 0.4117

Deuteranopia

13.6025, 0.4482, 0.4393



Tritanopia

13.4817, 0.5861, 0.3298

Trichromacy



Original Color

13.4506, 0.5804, 0.3250

Protanomaly

12.0300, 0.4612, 0.3691

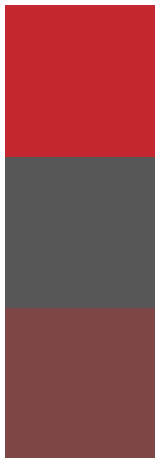
Deuteranomaly

12.3243, 0.5091, 0.3838

Tritanomaly

13.4961, 0.5836, 0.3282

Monochromacy



Original Color

13.4506, 0.5804, 0.3250

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.3602, 0.4210, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4506, 0.5804, 0.3250 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(196, 40, 46)` looks like.

```
.text, #text, p{  
    color:rgb(196, 40, 46)  
}
```

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(196, 40, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 40, 46) }
```

Border

The CSS property to change the border of an element to Yxy 13.4506, 0.5804, 0.3250 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(196, 40, 46) }
```

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

```
.border{ border-color:rgb(196, 40, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 40, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 40, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 40, 46);  
box-shadow:4px 4px 4px 4px rgb(196, 40,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4506, 0.5804, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 40, 46) }
```

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

```
.background{ background-color: rgb(196, 40,  
46) }
```

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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