

Converting Colors

$Y_{xy}(13.4765, 0.5610, 0.3202)$

Have a look what the booklet for
Yxy(13.4765, 0.5610, 0.3202)
contains.

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Color

Yxy(13.4901, 0.5613, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	C12D37
RGB	193, 45, 55
RGB Percent	76%, 18%, 22%
CMY	0.2432, 0.8234, 0.7844
CMYK	0.00, 0.77, 0.72, 0.24
HSL	356°, 62%, 47%
HSV	356°, 77%, 76%
XYZ	23.6182, 13.4901, 4.9694
YIQ	90.3920, 84.9980, 34.4860

Conversions

Conversions Part 2

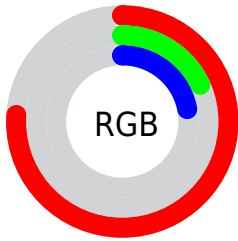
Format	Color
RYB	193, 45, 55
Decimal	12660023
CIELab	43.49, 57.91, 31.10
CIElCh	43, 65.734, 28.237
Yxy	13.4901, 0.5613, 0.3206
Android (android.graphics.Color)	4290850103 (0xFFC12D37)
YUV	90.3920, -17.4483, 89.9872
Hunter-Lab	36.7289, 50.5074, 17.6883

Details

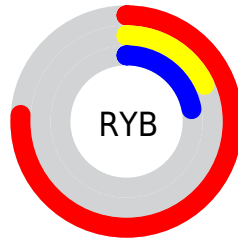
The Yxy color **13.4901, 0.5613, 0.3206** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.1159, 0.2348, 0.3445**, and the grayscale version is **10.3452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9198, 0.5020, 0.3305**, and **4.8544, 0.6244, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **12.1966, 0.6004, 0.3228**, and if you desaturate by 10%, it is **15.5210, 0.5160, 0.3198**.

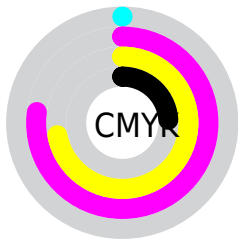
Distribution



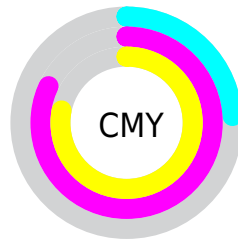
- Red (76%)
- Green (18%)
- Blue (22%)



- Red (76%)
- Yellow (18%)
- Blue (22%)



- Cyan (0%)
- Magenta (77%)
- Yellow (72%)
- Black (24%)



- Cyan (24%)
- Magenta (82%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4901, 0.5613, 0.3206 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 13.4901, 0.5613, 0.3206 by changing the saturation by 10% instead.


 13.4901, 0.5613,
0.3206


 13.4901, 0.5613,
0.3206

214.0352, 0.4142,
0.3366


 7.7669, 0.6043,
0.3093


 32.1815, 0.5025,
0.3310


 3.9462, 0.6623,
0.2895


 45.9185, 0.4820,
0.3333

 1.6435, 0.7456,
0.2544

 63.0955, 0.4652,
0.3347

 0.3867, 0.8490,
0.1510

 84.0970, 0.4514,
0.3356

 0.0000, 1.0000,
0.0000

 109.3073, 0.4398,
0.3361

 0.0000, 0.0000,
0.0000

 139.1109, 0.4300,

0.3364

173.8920, 0.4215,
0.3366

■ 13.4901, 0.5613,
0.3206

■ 13.4901, 0.5613,
0.3206

■ 12.1966, 0.6004,
0.3228

■ 15.5210, 0.5160,
0.3198

■ 11.5228, 0.6270,
0.3258

■ 18.3743, 0.4707,
0.3201

■ 11.3653, 0.6333,
0.3262

■ 22.1260, 0.4296,
0.3212

■ 26.8428, 0.3944,
0.3227

■ 32.5852, 0.3655,
0.3245

■ 39.4086, 0.3420,
0.3262

■ 47.3646, 0.3232,
0.3279

■ 56.5012, 0.3080,
0.3295

■ 66.8639, 0.2959,
0.3310

Harmonies

Analogous

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



13.4901, 0.4665, 0.2476



13.4901, 0.5613, 0.3206



13.4901, 0.5575, 0.4013

Triad

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



13.4901, 0.5613, 0.3206



13.4901, 0.2566, 0.5645



13.4901, 0.1378, 0.1485

Complementary

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



13.4901, 0.5613, 0.3206



42.1159, 0.2348, 0.3445

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.



13.4901, 0.1093, 0.1776



13.4901, 0.5613, 0.3206



13.4901, 0.1618, 0.4138

Square

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



13.4901, 0.5613, 0.3206



13.4901, 0.3717, 0.5764



13.4901, 0.1145, 0.2597



13.4901, 0.2058, 0.1536

Rectangle

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



13.4901, 0.5613, 0.3206



13.4901, 0.5121, 0.4624



13.4901, 0.1145, 0.2597



13.4901, 0.1244, 0.1538

Sweetspot

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



13.4909, 0.5613, 0.3206



62.1893, 0.3571, 0.3251



15.5118, 0.3047, 0.1600



12.4407, 0.3664, 0.3244



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.4909, 0.5613, 0.3206



20.9295, 0.6200, 0.3248



21.9749, 0.5041, 0.4000



10.0886, 0.3279, 0.3275



7.5644, 0.6318, 0.3254



0.3307, 0.6028, 0.3094

Inverse Universe

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



13.4909, 0.5613, 0.3206



20.9295, 0.6200, 0.3248



20.7327, 0.2028, 0.2228



10.0886, 0.3279, 0.3275



7.5644, 0.6318, 0.3254



0.3307, 0.6028, 0.3094

Previews

White Background



This preview shows how the Yxy color 13.4901, 0.5613, 0.3206 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 13.4901, 0.5613, 0.3206 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 13.4901, 0.5613, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 13.4901, 0.5613, 0.3206.



This preview shows how white text looks on a background with the Yxy color 13.4901, 0.5613, 0.3206.

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

13.4901, 0.5613, 0.3206

Protanopia

13.7881, 0.3629, 0.3916

Deuteranopia

13.7101, 0.4321, 0.4275



Tritanopia

13.5048, 0.5708, 0.3280

Trichromacy



Original Color

13.4901, 0.5613, 0.3206

Protanomaly

12.2666, 0.4392, 0.3563

Deuteranomaly

12.4891, 0.4903, 0.3757

Tritanomaly

13.5305, 0.5665, 0.3253

Monochromacy



Original Color

13.4901, 0.5613, 0.3206

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

9.9454, 0.4076, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4901, 0.5613, 0.3206 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(193, 45, 55)` looks like.

```
.text, #text, p{  
    color:rgb(193, 45, 55)  
}
```

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(193, 45, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 45, 55) }
```

Border

The CSS property to change the border of an element to Yxy 13.4901, 0.5613, 0.3206 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(193, 45, 55) }
```

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

```
.border{ border-color:rgb(193, 45, 55) }
```

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

Here you see how a box with a 4 pixel rgb(193, 45, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 45, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 45, 55);  
box-shadow:4px 4px 4px 4px rgb(193, 45,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4901, 0.5613, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 45, 55) }
```

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

```
.background{ background-color: rgb(193, 45,  
55) }
```

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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