

Converting Colors

$Y_{xy}(11.6304, 0.5247, 0.3203)$

Have a look what the booklet for
Yxy(11.6304, 0.5247, 0.3203)
contains.

Yxy(11.6538, 0.5250, 0.3198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.6538, 0.5250, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	AC353D
RGB	172, 53, 61
RGB Percent	67%, 21%, 24%
CMY	0.3254, 0.7922, 0.7608
CMYK	0.00, 0.69, 0.65, 0.33
HSL	356°, 53%, 44%
HSV	356°, 69%, 67%
XYZ	19.1315, 11.6538, 5.6556
YIQ	89.4930, 68.3560, 27.7160

Conversions

Conversions Part 2

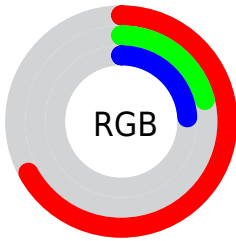
Format	Color
RYB	172, 53, 61
Decimal	11285821
CIELab	40.66, 48.80, 23.07
CIElCh	41, 53.977, 25.300
Yxy	11.6538, 0.5250, 0.3198
Android (android.graphics.Color)	4289475901 (0xFFAC353D)
YUV	89.4930, -14.0470, 72.3586
Hunter-Lab	34.1377, 40.2943, 14.0737

Details

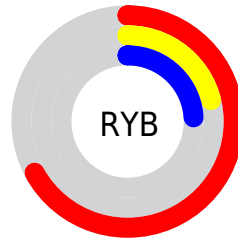
The Yxy color **11.6538, 0.5250, 0.3198** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **32.9486, 0.2384, 0.3427**, and the grayscale version is **10.1247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9217, 0.4720, 0.3284**, and **3.5577, 0.6065, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **10.2105, 0.5693, 0.3209**, and if you desaturate by 10%, it is **13.7129, 0.4796, 0.3199**.

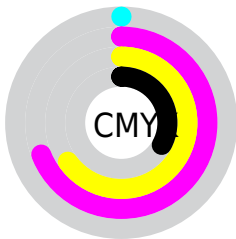
Distribution



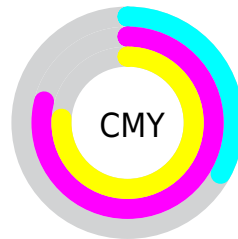
- Red (67%)
- Green (21%)
- Blue (24%)



- Red (67%)
- Yellow (21%)
- Blue (24%)



- Cyan (0%)
- Magenta (69%)
- Yellow (65%)
- Black (33%)





- Cyan (33%)
- Magenta (79%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6538, 0.5250, 0.3198 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 11.6538, 0.5250, 0.3198 by changing the saturation by 10% instead.


 11.6538, 0.5250,
0.3198

 11.6538, 0.5250,
0.3198


202.0997, 0.3953,
0.3328


 6.5084, 0.5666,
0.3107


 28.8630, 0.4712,
0.3279

 3.1566, 0.6251,
0.2933

 41.6956, 0.4531,
0.3298


 1.2140, 0.7332,
0.2668

 57.8593, 0.4386,
0.3310

 0.0731, 0.9480,
0.0520

 77.7387, 0.4267,
0.3317

 0.0000, 1.0000,
0.0000

 101.7180, 0.4169,
0.3322

 0.0000, 0.0000,
0.0000

 130.1816, 0.4085,

0.3325

163.5141, 0.4014,
0.3327

■ 11.6538, 0.5250,
0.3198

■ 11.6538, 0.5250,
0.3198

■ 10.2105, 0.5693,
0.3209

■ 13.7129, 0.4796,
0.3199

■ 9.3126, 0.6062,
0.3232

■ 16.4441, 0.4378,
0.3209

■ 8.8313, 0.6308,
0.3257

■ 19.8997, 0.4016,
0.3224

■ 8.7981, 0.6324,
0.3257

■ 24.1261, 0.3716,
0.3241

■ 29.1660, 0.3471,
0.3258

■ 35.0589, 0.3274,
0.3275

■ 41.8418, 0.3116,
0.3291

■ 49.5494, 0.2988,
0.3306

■ 58.2146, 0.2885,
0.3319

Harmonies

Analogous

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



11.6538, 0.4350, 0.2519



11.6538, 0.5250, 0.3198



11.6538, 0.5354, 0.3948

Triad

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



11.6538, 0.5250, 0.3198



11.6538, 0.2783, 0.5343



11.6538, 0.1510, 0.1678

Complementary

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



11.6538, 0.5250, 0.3198



32.9486, 0.2384, 0.3427

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.



11.6538, 0.1274, 0.2007



11.6538, 0.5250, 0.3198



11.6538, 0.1879, 0.4170

Square

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



11.6538, 0.5250, 0.3198



11.6538, 0.3831, 0.5428



11.6538, 0.1374, 0.2822



11.6538, 0.2106, 0.1690

Rectangle

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



11.6538, 0.5250, 0.3198



11.6538, 0.5022, 0.4486



11.6538, 0.1374, 0.2822



11.6538, 0.1394, 0.1744

Sweetspot

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



11.6545, 0.5250, 0.3198



50.7783, 0.3520, 0.3254



13.2158, 0.3062, 0.1712



10.4943, 0.3583, 0.3250



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



11.6545, 0.5250, 0.3198



17.5432, 0.5901, 0.3220



18.6472, 0.4791, 0.3976



8.0238, 0.3276, 0.3275



6.5490, 0.6311, 0.3250



0.1850, 0.5945, 0.3049

Inverse Universe

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



11.6545, 0.5250, 0.3198



17.5432, 0.5901, 0.3220



17.7584, 0.2115, 0.2358



8.0238, 0.3276, 0.3275



6.5490, 0.6311, 0.3250



0.1850, 0.5945, 0.3049

Previews

White Background



This preview shows how the Yxy color 11.6538, 0.5250, 0.3198 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 11.6538, 0.5250, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

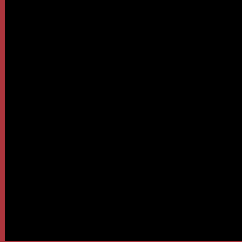
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6538, 0.5250, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 11.6538, 0.5250, 0.3198.



This preview shows how white text looks on a background with the Yxy color 11.6538, 0.5250, 0.3198.

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

11.6538, 0.5250, 0.3198

Protanopia

11.9975, 0.3482, 0.3703

Deuteranopia

11.7817, 0.4130, 0.4059



Tritanopia

11.6945, 0.5330, 0.3273

Trichromacy



Original Color

11.6538, 0.5250, 0.3198

Protanomaly

10.9419, 0.4130, 0.3472

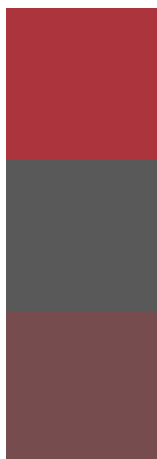
Deuteranomaly

11.1475, 0.4590, 0.3669

Tritanomaly

11.7145, 0.5294, 0.3248

Monochromacy



Original Color

11.6538, 0.5250, 0.3198

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.6553, 0.3880, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6538, 0.5250, 0.3198 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(172, 53, 61)` looks like.

```
.text, #text, p{  
    color:rgb(172, 53, 61)  
}
```

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(172, 53, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 53, 61) }
```

Border

The CSS property to change the border of an element to Yxy 11.6538, 0.5250, 0.3198 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(172, 53, 61) }
```

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

```
.border{ border-color:rgb(172, 53, 61) }
```

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

Here you see how a box with a 4 pixel rgb(172, 53, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 53, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 53, 61);  
box-shadow:4px 4px 4px 4px rgb(172, 53,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6538, 0.5250, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 53, 61) }
```

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

```
.background{ background-color: rgb(172, 53,  
61) }
```

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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