

Converting Colors

$Y_{xy}(12.0132, 0.5604, 0.3115)$

Have a look what the booklet for
Yxy(12.0132, 0.5604, 0.3115)
contains.

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Color

Yxy(11.9864, 0.5609, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	BA2438
RGB	186, 36, 56
RGB Percent	73%, 14%, 22%
CMY	0.2707, 0.8586, 0.7804
CMYK	0.00, 0.81, 0.70, 0.27
HSL	352°, 68%, 44%
HSV	352°, 81%, 73%
XYZ	21.5901, 11.9864, 4.9154
YIQ	83.1300, 82.9800, 38.0200

Conversions

Conversions Part 2

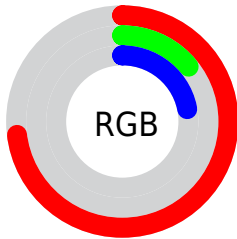
Format	Color
R _Y B	186, 36, 56
Decimal	12198968
CIE Lab	41.19, 58.55, 27.40
CIE LCh	41, 64.642, 25.077
Yxy	11.9864, 0.5609, 0.3114
Android (android.graphics.Color)	4290389048 (0xFFBA2438)
YUV	83.1300, -13.3751, 90.2170
Hunter-Lab	34.6214, 50.7265, 15.8172

Details

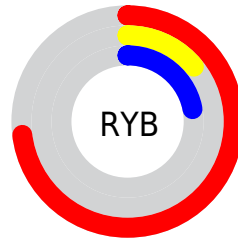
The Yxy color **11.9864, 0.5609, 0.3114** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **38.2395, 0.2384, 0.3622**, and the grayscale version is **8.6989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4848, 0.5005, 0.3230**, and **4.3917, 0.6212, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **11.0039, 0.5976, 0.3157**, and if you desaturate by 10%, it is **13.6057, 0.5180, 0.3096**.

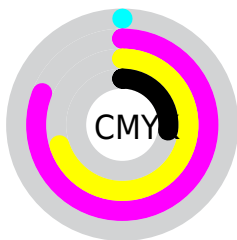
Distribution



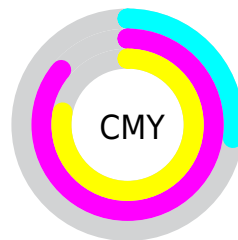
- Red (73%)
- Green (14%)
- Blue (22%)



- Red (73%)
- Yellow (14%)
- Blue (22%)



- Cyan (0%)
- Magenta (81%)
- Yellow (70%)
- Black (27%)





- Cyan (27%)
- Magenta (86%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9864, 0.5609, 0.3114 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 11.9864, 0.5609, 0.3114 by changing the saturation by 10% instead.


 11.9864, 0.5609,
0.3114


 11.9864, 0.5609,
0.3114


204.3152, 0.4113,
0.3321


 6.7344, 0.6064,
0.2987


 29.4703, 0.5001,
0.3235


 3.2966, 0.6695,
0.2768

 42.4711, 0.4791,
0.3265


 1.2885, 0.7622,
0.2378

 58.8235, 0.4622,
0.3285

 0.1322, 0.9307,
0.0693

 78.9121, 0.4483,
0.3298

 0.0000, 1.0000,
0.0000

 103.1211, 0.4368,
0.3307

 0.0000, 0.0000,
0.0000

 131.8351, 0.4270,

0.3313

165.4383, 0.4186,
0.3318

■ 11.9864, 0.5609,
0.3114

■ 11.9864, 0.5609,
0.3114

■ 11.0039, 0.5976,
0.3157

■ 13.6057, 0.5180,
0.3096

■ 10.5052, 0.6229,
0.3205

■ 15.9437, 0.4747,
0.3100

■ 19.0723, 0.4348,
0.3120

■ 23.0540, 0.4003,
0.3151

■ 27.9451, 0.3715,
0.3185

■ 33.7971, 0.3479,
0.3221

■ 40.6576, 0.3289,
0.3256

■ 48.5711, 0.3135,
0.3288

■ 57.5793, 0.3012,
0.3318

Harmonies

Analogous

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



11.9864, 0.4551, 0.2387



11.9864, 0.5609, 0.3114



11.9864, 0.5662, 0.3916

Triad

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



11.9864, 0.5609, 0.3114



11.9864, 0.2665, 0.5796



11.9864, 0.1304, 0.1469

Complementary

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



11.9864, 0.5609, 0.3114



38.2395, 0.2384, 0.3622

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.



11.9864, 0.1053, 0.1805



11.9864, 0.5609, 0.3114



11.9864, 0.1667, 0.4351

Square

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



11.9864, 0.5609, 0.3114



11.9864, 0.3836, 0.5746



11.9864, 0.1141, 0.2708



11.9864, 0.1943, 0.1490

Rectangle

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



11.9864, 0.5609, 0.3114



11.9864, 0.5241, 0.4533



11.9864, 0.1141, 0.2708



11.9864, 0.1183, 0.1535

Sweetspot

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



11.9871, 0.5609, 0.3114



57.0468, 0.3563, 0.3207



12.9154, 0.2941, 0.1506



11.7338, 0.3648, 0.3195



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.9871, 0.5609, 0.3114



19.2225, 0.6191, 0.3204



18.0514, 0.5257, 0.3904



9.0311, 0.3267, 0.3260



7.0761, 0.6206, 0.3192



0.2558, 0.5648, 0.2885

Inverse Universe

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



11.9871, 0.5609, 0.3114



19.2225, 0.6191, 0.3204



20.1551, 0.2029, 0.2310



9.0311, 0.3267, 0.3260



7.0761, 0.6206, 0.3192



0.2558, 0.5648, 0.2885

Previews

White Background



This preview shows how the Yxy color 11.9864, 0.5609, 0.3114 looks on a white background.

Color Contrast Check

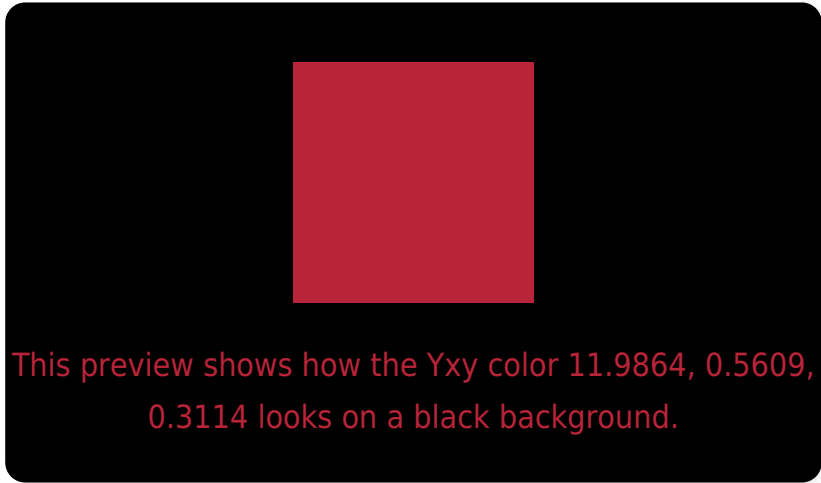
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9864, 0.5609, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 11.9864, 0.5609, 0.3114.



This preview shows how white text looks on a background with the Yxy color 11.9864, 0.5609, 0.3114.

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

11.9864, 0.5609, 0.3114

Protanopia

12.2285, 0.3508, 0.3746

Deuteranopia

12.2838, 0.4251, 0.4204



Tritanopia

11.9185, 0.5828, 0.3290

Trichromacy



Original Color

11.9864, 0.5609, 0.3114

Protanomaly

10.5427, 0.4324, 0.3388

Deuteranomaly

11.0238, 0.4858, 0.3654

Tritanomaly

11.8978, 0.5750, 0.3228

Monochromacy



Original Color

11.9864, 0.5609, 0.3114

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.3705, 0.4095, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9864, 0.5609, 0.3114 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(186, 36, 56)` looks like.

```
.text, #text, p{  
    color:rgb(186, 36, 56)  
}
```

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(186, 36, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 36, 56) }
```

Border

The CSS property to change the border of an element to Yxy 11.9864, 0.5609, 0.3114 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(186, 36, 56) }
```

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

```
.border{ border-color:rgb(186, 36, 56) }
```

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

Here you see how a box with a 4 pixel rgb(186, 36, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 36, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 36, 56);  
box-shadow:4px 4px 4px 4px rgb(186, 36,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9864, 0.5609, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 36, 56) }
```

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

```
.background{ background-color: rgb(186, 36,  
56) }
```

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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