

Converting Colors

$Y_{xy}(12.6305, 0.5220, 0.3293)$

Have a look what the booklet for
Yxy(12.6305, 0.5220, 0.3293)
contains.

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Color

Yxy(12.6719, 0.5231, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	AF3C3C
RGB	175, 60, 60
RGB Percent	69%, 24%, 24%
CMY	0.3137, 0.7647, 0.7646
CMYK	0.00, 0.66, 0.66, 0.31
HSL	360°, 49%, 46%
HSV	360°, 66%, 69%
XYZ	20.1113, 12.6719, 5.6631
YIQ	94.3850, 68.5400, 24.3800

Conversions

Conversions Part 2

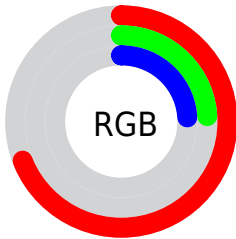
Format	Color
R_{YB}	175, 60, 60
Decimal	11484220
CIE _{Lab}	42.26, 46.80, 25.80
CIE _{LCh}	42, 53.445, 28.865
Yxy	12.6719, 0.5231, 0.3296
Android (android.graphics.Color)	4289674300 (0xFFAF3C3C)
YUV	94.3850, -16.9518, 70.6994
Hunter-Lab	35.5976, 38.5497, 15.4860

Details

The Yxy color **12.6719, 0.5231, 0.3296** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **34.7158, 0.2361, 0.3288**, and the grayscale version is **11.3191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7047, 0.4720, 0.3359**, and **3.7567, 0.6103, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **10.9769, 0.5693, 0.3297**, and if you desaturate by 10%, it is **15.0358, 0.4761, 0.3295**.

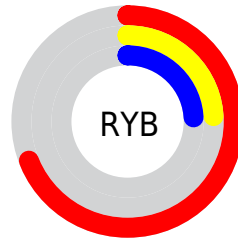
Distribution



Red (69%)

Green (24%)

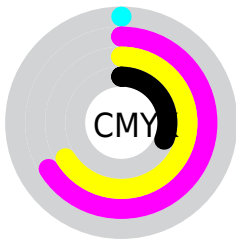
Blue (24%)



Red (69%)

Yellow (24%)

Blue (24%)

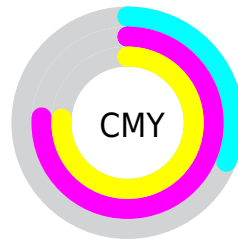


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (31%)



Cyan (31%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6719, 0.5231, 0.3296 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 12.6719, 0.5231, 0.3296 by changing the saturation by 10% instead.


 12.6719, 0.5231,
0.3296


 12.6719, 0.5231,
0.3296


208.8041, 0.3961,
0.3371


 7.2030, 0.5627,
0.3221


 30.7131, 0.4710,
0.3356


 3.5894, 0.6176,
0.3071

 44.0541, 0.4533,
0.3367

 1.4466, 0.7160,
0.2840

 60.7880, 0.4390,
0.3373

 0.2507, 0.8571,
0.1429

 81.2992, 0.4273,
0.3375

 0.0000, 1.0000,
0.0000

 105.9720, 0.4175,
0.3375

 0.0000, 0.0000,
0.0000

 135.1908, 0.4093,

0.3375

169.3400, 0.4022,
0.3373

■ 12.6719, 0.5231,
0.3296

■ 12.6719, 0.5231,
0.3296

■ 10.9769, 0.5693,
0.3297

■ 15.0358, 0.4761,
0.3295

■ 9.8798, 0.6078,
0.3299

■ 18.1257, 0.4331,
0.3293

■ 9.2935, 0.6320,
0.3299

■ 21.9953, 0.3964,
0.3292

■ 9.1141, 0.6401,
0.3300

■ 26.6924, 0.3661,
0.3292

■ 32.2613, 0.3417,
0.3291

■ 38.7428, 0.3221,
0.3290

■ 46.1753, 0.3064,
0.3290

■ 54.5950, 0.2938,
0.3289

■ 64.0362, 0.2836,
0.3289

Harmonies

Analogous

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



12.6719, 0.4439, 0.2618



12.6719, 0.5231, 0.3296



12.6719, 0.5251, 0.4039

Triad

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



12.6719, 0.5231, 0.3296



12.6719, 0.2687, 0.5169



12.6719, 0.1603, 0.1709

Complementary

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



12.6719, 0.5231, 0.3296



34.7158, 0.2361, 0.3288

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.



12.6719, 0.1333, 0.1989



12.6719, 0.5231, 0.3296



12.6719, 0.1841, 0.3971

Square

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



12.6719, 0.5231, 0.3296



12.6719, 0.3706, 0.5398



12.6719, 0.1394, 0.2722



12.6719, 0.2234, 0.1753

Rectangle

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



12.6719, 0.5231, 0.3296



12.6719, 0.4894, 0.4563



12.6719, 0.1394, 0.2722



12.6719, 0.1476, 0.1762

Sweetspot

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



12.6726, 0.5231, 0.3296



52.9582, 0.3524, 0.3291



15.2212, 0.3170, 0.1814



11.1700, 0.3592, 0.3291



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.6726, 0.5231, 0.3296



18.6197, 0.5886, 0.3298



21.8359, 0.4597, 0.4065



8.0154, 0.3286, 0.3290



6.5268, 0.6401, 0.3300



0.1816, 0.6400, 0.3299

Inverse Universe

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



12.6726, 0.5231, 0.3296



18.6197, 0.5886, 0.3298



17.3496, 0.2120, 0.2264



8.0154, 0.3286, 0.3290



6.5268, 0.6401, 0.3300



0.1816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 12.6719, 0.5231, 0.3296 looks on a white background.

Color Contrast Check

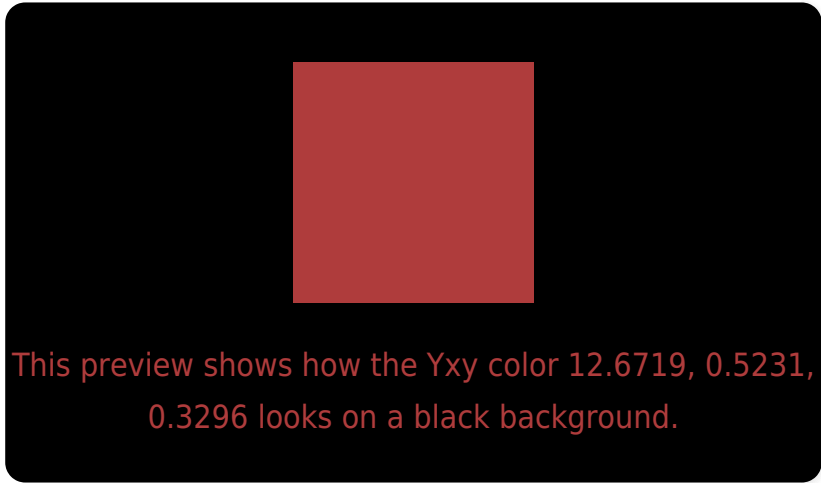
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6719, 0.5231, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 12.6719, 0.5231, 0.3296.

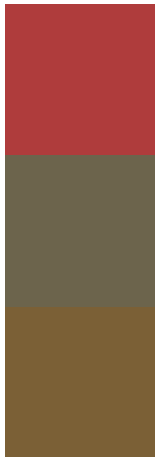


This preview shows how white text looks on a background with the Yxy color 12.6719, 0.5231, 0.3296.

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

12.6719, 0.5231, 0.3296

Protanopia

12.8243, 0.3591, 0.3823

Deuteranopia

12.8430, 0.4180, 0.4124



Tritanopia

12.7046, 0.5179, 0.3259

Trichromacy



Original Color

12.6719, 0.5231, 0.3296

Protanomaly

11.8447, 0.4195, 0.3582

Deuteranomaly

12.2228, 0.4604, 0.3761

Tritanomaly

12.6935, 0.5197, 0.3271

Monochromacy



Original Color

12.6719, 0.5231, 0.3296

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8547, 0.3854, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6719, 0.5231, 0.3296 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(175, 60, 60)` looks like.

```
.text, #text, p{  
  color:rgb(175, 60, 60)  
}
```

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(175, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 60, 60) }
```

Border

The CSS property to change the border of an element to Yxy 12.6719, 0.5231, 0.3296 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(175, 60, 60) }
```

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

```
.border{ border-color:rgb(175, 60, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 60, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(175, 60,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6719, 0.5231, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 60, 60) }
```

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

```
.background{ background-color: rgb(175, 60,  
60) }
```

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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