

Converting Colors

$Y_{xy}(12.6579, 0.4941, 0.3500)$

Have a look what the booklet for
Yxy(12.6579, 0.4941, 0.3500)
contains.

Yxy(12.6579, 0.4941, 0.3500)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6579, 0.4941, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	A1493B
RGB	161, 73, 59
RGB Percent	63%, 29%, 23%
CMY	0.3686, 0.7137, 0.7686
CMYK	0.00, 0.55, 0.63, 0.37
HSL	8°, 46%, 43%
HSV	8°, 63%, 63%
XYZ	17.8693, 12.6579, 5.6382
YIQ	97.7160, 56.9420, 14.3020

Conversions

Conversions Part 2

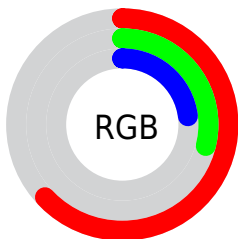
Format	Color
R_{YB}	161, 75, 59
Decimal	10570043
CIE _{Lab}	42.24, 35.39, 25.87
CIE _{LCh}	42, 43.837, 36.173
Yxy	12.6579, 0.4941, 0.3500
Android (android.graphics.Color)	4288760123 (0xFFA1493B)
YUV	97.7160, -19.0870, 55.5001
Hunter-Lab	35.5779, 27.3918, 15.5086

Details

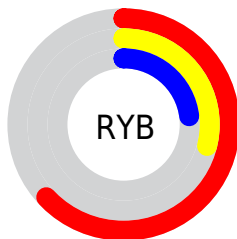
The Yxy color **12.6579, 0.4941, 0.3500** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.3649, 0.2320, 0.3028**, and the grayscale version is **12.1781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6925, 0.4483, 0.3495**, and **3.5933, 0.5783, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **10.8907, 0.5372, 0.3503**, and if you desaturate by 10%, it is **14.8856, 0.4528, 0.3479**.

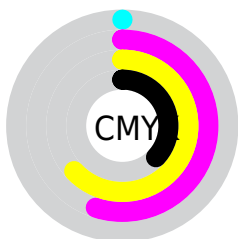
Distribution



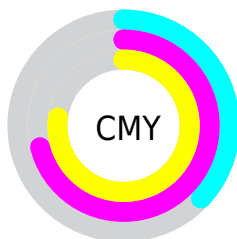
- Red (63%)
- Green (29%)
- Blue (23%)



- Red (63%)
- Yellow (29%)
- Blue (23%)



- Cyan (0%)
- Magenta (55%)
- Yellow (63%)
- Black (37%)



- Cyan (37%)
- Magenta (71%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6579, 0.4941, 0.3500 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 12.6579, 0.4941, 0.3500 by changing the saturation by 10% instead.


 12.6579, 0.4941,
0.3500


 12.6579, 0.4941,
0.3500


 208.7134, 0.3842,
0.3439

 7.1934, 0.5290,
0.3473


 30.6878, 0.4488,
0.3500


 3.5833, 0.5780,
0.3393

 44.0220, 0.4334,
0.3492


 1.4433, 0.6714,
0.3286

 60.7482, 0.4211,
0.3483

 0.2483, 0.8195,
0.1805

 81.2508, 0.4110,
0.3473

 0.0000, 1.0000,
0.0000

 105.9143, 0.4026,
0.3464

 0.0000, 0.0000,
0.0000

 135.1229, 0.3956,

0.3455

169.2612, 0.3895,
0.3447

■ 12.6579, 0.4941,
0.3500

■ 12.6579, 0.4941,
0.3500

■ 10.8907, 0.5372,
0.3503

■ 14.8856, 0.4528,
0.3479

■ 9.5495, 0.5776,
0.3482

■ 17.6008, 0.4158,
0.3448

■ 8.5983, 0.6098,
0.3437

■ 20.8311, 0.3842,
0.3411

■ 8.1551, 0.6264,
0.3408

■ 24.6013, 0.3577,
0.3373

■ 28.9346, 0.3359,
0.3336

■ 33.8527, 0.3180,
0.3301

■ 39.3765, 0.3033,
0.3269

■ 45.5255, 0.2911,
0.3240

■ 52.3185, 0.2811,
0.3213

Harmonies

Analogous

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



12.6579, 0.4416, 0.2874



12.6579, 0.4941, 0.3500



12.6579, 0.4855, 0.4163

Triad

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



12.6579, 0.4941, 0.3500



12.6579, 0.2596, 0.4603



12.6579, 0.1927, 0.1917

Complementary

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



12.6579, 0.4941, 0.3500



24.3649, 0.2320, 0.3028

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.



12.6579, 0.1608, 0.2107



12.6579, 0.4941, 0.3500



12.6579, 0.1925, 0.3590

Square

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



12.6579, 0.4941, 0.3500



12.6579, 0.3461, 0.5046



12.6579, 0.1599, 0.2654



12.6579, 0.2567, 0.2013

Rectangle

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



12.6579, 0.4941, 0.3500



12.6579, 0.4514, 0.4587



12.6579, 0.1599, 0.2654



12.6579, 0.1786, 0.1946

Sweetspot

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



12.6586, 0.4941, 0.3500



47.0419, 0.3485, 0.3358



12.8231, 0.3396, 0.2020



9.8735, 0.3546, 0.3368



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.6586, 0.4941, 0.3500



18.4387, 0.5543, 0.3498



22.2067, 0.4348, 0.4264



7.2357, 0.3282, 0.3322



6.5508, 0.6253, 0.3417



0.1804, 0.5764, 0.3805

Inverse Universe

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



24.3649, 0.2320, 0.3028



40.9453, 0.2218, 0.2961



11.9408, 0.2084, 0.1998



7.8445, 0.2988, 0.3258



16.8190, 0.2127, 0.2858



0.3962, 0.2175, 0.3029

Previews

White Background



This preview shows how the Yxy color 12.6579, 0.4941, 0.3500 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 12.6579, 0.4941, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

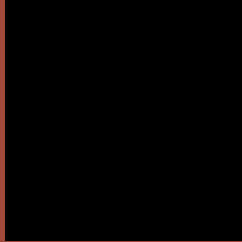
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6579, 0.4941, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 12.6579, 0.4941, 0.3500.



This preview shows how white text looks on a background with the Yxy color 12.6579, 0.4941, 0.3500.

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

12.6579, 0.4941, 0.3500

Protanopia

12.7322, 0.3691, 0.3977

Deuteranopia

12.8525, 0.4166, 0.4106



Tritanopia

12.6959, 0.4693, 0.3234

Trichromacy



Original Color

12.6579, 0.4941, 0.3500

Protanomaly

12.2060, 0.4147, 0.3788

Deuteranomaly

12.5833, 0.4467, 0.3871

Tritanomaly

12.7458, 0.4793, 0.3340

Monochromacy



Original Color

12.6579, 0.4941, 0.3500

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8498, 0.3742, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6579, 0.4941, 0.3500 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(161, 73, 59)` looks like.

```
.text, #text, p{  
    color:rgb(161, 73, 59)  
}
```

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(161, 73, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 73, 59) }
```

Border

The CSS property to change the border of an element to Yxy 12.6579, 0.4941, 0.3500 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(161, 73, 59) }
```

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

```
.border{ border-color:rgb(161, 73, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 73, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 73, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 73, 59);  
box-shadow:4px 4px 4px 4px rgb(161, 73,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6579, 0.4941, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 73, 59) }
```

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

```
.background{ background-color: rgb(161, 73,  
59) }
```

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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