

Converting Colors

$Y_{xy}(12.2775, 0.5393, 0.3536)$

Have a look what the booklet for
Yxy(12.2775, 0.5393, 0.3536)
contains.

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Color

Yxy(12.2829, 0.5397, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	AA3F2C
RGB	170, 63, 44
RGB Percent	67%, 25%, 17%
CMY	0.3333, 0.7530, 0.8275
CMYK	0.00, 0.63, 0.74, 0.33
HSL	9°, 59%, 42%
HSV	9°, 74%, 67%
XYZ	18.8112, 12.2829, 3.7609
YIQ	92.8270, 69.8710, 16.7750

Conversions

Conversions Part 2

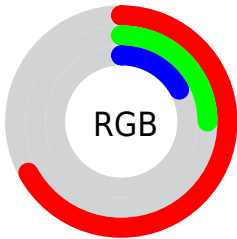
Format	Color
RYB	170, 66, 44
Decimal	11157292
CIELab	41.66, 42.84, 34.28
CIELCh	42, 54.868, 38.671
Yxy	12.2829, 0.5397, 0.3524
Android (android.graphics.Color)	4289347372 (0xFFAA3F2C)
YUV	92.8270, -24.0717, 67.6807
Hunter-Lab	35.0470, 34.4766, 18.1705

Details

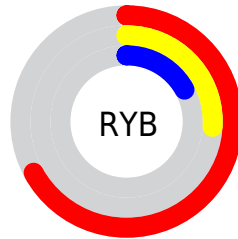
The Yxy color **12.2829, 0.5397, 0.3524** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.5712, 0.2228, 0.2943**, and the grayscale version is **10.9485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0057, 0.4848, 0.3551**, and **3.4229, 0.6377, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **10.7863, 0.5794, 0.3500**, and if you desaturate by 10%, it is **14.2526, 0.4969, 0.3522**.

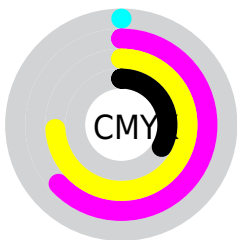
Distribution



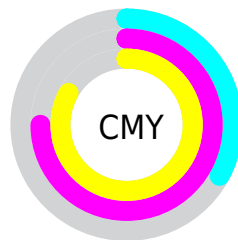
- Red (67%)
- Green (25%)
- Blue (17%)



- Red (67%)
- Yellow (26%)
- Blue (17%)



- Cyan (0%)
- Magenta (63%)
- Yellow (74%)
- Black (33%)





- Cyan (33%)
- Magenta (75%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2829, 0.5397, 0.3524 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 12.2829, 0.5397, 0.3524 by changing the saturation by 10% instead.


 12.2829, 0.5397,
0.3524


 12.2829, 0.5397,
0.3524


206.2693, 0.4039,
0.3495


 6.9367, 0.5799,
0.3456


 30.0093, 0.4850,
0.3556


 3.4225, 0.6436,
0.3354

 43.1583, 0.4660,
0.3552


 1.3561, 0.7048,
0.2952

 59.6769, 0.4506,
0.3545

 0.1840, 0.8743,
0.1257

 79.9496, 0.4379,
0.3535

 0.0000, 1.0000,
0.0000

 104.3608, 0.4273,
0.3525

 0.0000, 0.0000,
0.0000

 133.2949, 0.4183,

0.3515

167.1363, 0.4106,
0.3505

■ 12.2829, 0.5397,
0.3524

■ 12.2829, 0.5397,
0.3524

■ 10.7863, 0.5794,
0.3500

■ 14.2526, 0.4969,
0.3522

■ 9.7202, 0.6106,
0.3449

■ 16.7288, 0.4556,
0.3501

■ 9.2704, 0.6250,
0.3420

■ 19.7446, 0.4184,
0.3467

■ 23.3292, 0.3864,
0.3427

■ 27.5100, 0.3596,
0.3385

■ 32.3126, 0.3375,
0.3344

■ 37.7610, 0.3193,
0.3305

■ 43.8780, 0.3043,
0.3269

■ 50.6852, 0.2919,
0.3237

Harmonies

Analogous

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



12.2829, 0.4830, 0.2811



12.2829, 0.5397, 0.3524



12.2829, 0.5158, 0.4304

Triad

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



12.2829, 0.5397, 0.3524



12.2829, 0.2344, 0.4920



12.2829, 0.1728, 0.1648

Complementary

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



12.2829, 0.5397, 0.3524



25.5712, 0.2228, 0.2943

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.



12.2829, 0.1340, 0.1812



12.2829, 0.5397, 0.3524



12.2829, 0.1600, 0.3524

Square

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



12.2829, 0.5397, 0.3524



12.2829, 0.3365, 0.5526



12.2829, 0.1287, 0.2388



12.2829, 0.2505, 0.1789

Rectangle

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



12.2829, 0.5397, 0.3524



12.2829, 0.4678, 0.4847



12.2829, 0.1287, 0.2388



12.2829, 0.1559, 0.1665

Sweetspot

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



12.2836, 0.5397, 0.3524



51.3311, 0.3555, 0.3378



12.5854, 0.3486, 0.1901



10.9688, 0.3618, 0.3388



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.



12.2836, 0.5397, 0.3524



18.2293, 0.6009, 0.3469



23.6257, 0.4554, 0.4395



7.7182, 0.3282, 0.3325



6.8723, 0.6235, 0.3431



0.2198, 0.5742, 0.3823

Inverse Universe

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



25.5712, 0.2228, 0.2943



43.1935, 0.2143, 0.2856



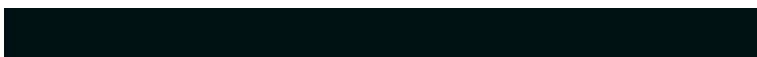
10.4329, 0.1913, 0.1692



8.3364, 0.2987, 0.3255



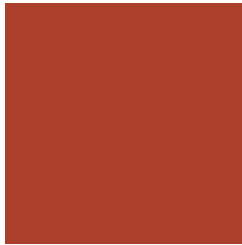
16.9521, 0.2115, 0.2813



0.4629, 0.2163, 0.2985

Previews

White Background



This preview shows how the Yxy color 12.2829, 0.5397, 0.3524 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 12.2829, 0.5397, 0.3524 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 12.2829, 0.5397, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 12.2829, 0.5397, 0.3524.



This preview shows how white text looks on a background with the Yxy color 12.2829, 0.5397, 0.3524.

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

12.2829, 0.5397, 0.3524

Protanopia

12.4507, 0.3908, 0.4246

Deuteranopia

12.4241, 0.4430, 0.4351



Tritanopia

12.2598, 0.5116, 0.3244

Trichromacy



Original Color

12.2829, 0.5397, 0.3524

Protanomaly

11.7199, 0.4473, 0.3946

Deuteranomaly

12.0024, 0.4816, 0.3997

Tritanomaly

12.2908, 0.5229, 0.3347

Monochromacy



Original Color

12.2829, 0.5397, 0.3524

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.6075, 0.3947, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2829, 0.5397, 0.3524 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(170, 63, 44)` looks like.

```
.text, #text, p{  
    color:rgb(170, 63, 44)  
}
```

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(170, 63, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 63, 44) }
```

Border

The CSS property to change the border of an element to Yxy 12.2829, 0.5397, 0.3524 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(170, 63, 44) }
```

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

```
.border{ border-color:rgb(170, 63, 44) }
```

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

Here you see how a box with a 4 pixel rgb(170, 63, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 63, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 63, 44);  
box-shadow:4px 4px 4px 4px rgb(170, 63,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2829, 0.5397, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 63, 44) }
```

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

```
.background{ background-color: rgb(170, 63,  
44) }
```

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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