

Converting Colors

$Y_{xy}(12.9892, 0.5582, 0.3390)$

Have a look what the booklet for
Yxy(12.9892, 0.5582, 0.3390)
contains.

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Color

Yxy(12.9969, 0.5577, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	B7372E
RGB	183, 55, 46
RGB Percent	72%, 22%, 18%
CMY	0.2823, 0.7843, 0.8196
CMYK	0.00, 0.70, 0.75, 0.28
HSL	4°, 60%, 45%
HSV	4°, 75%, 72%
XYZ	21.3879, 12.9969, 3.9654
YIQ	92.2460, 79.1770, 24.3370

Conversions

Conversions Part 2

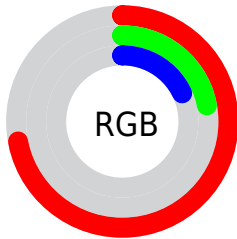
Format	Color
R _Y B	183, 56, 46
Decimal	12007214
CIE Lab	42.76, 50.85, 35.01
CIE LCh	43, 61.740, 34.550
Yxy	12.9969, 0.5577, 0.3389
Android (android.graphics.Color)	4290197294 (0xFFB7372E)
YUV	92.2460, -22.7993, 79.5913
Hunter-Lab	36.0512, 42.8082, 18.7143

Details

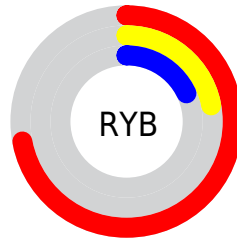
The Yxy color **12.9969, 0.5577, 0.3389** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **34.2669, 0.2272, 0.3139**, and the grayscale version is **10.8028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3547, 0.4991, 0.3461**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.5303, 0.5975, 0.3373**, and if you desaturate by 10%, it is **15.0890, 0.5123, 0.3392**.

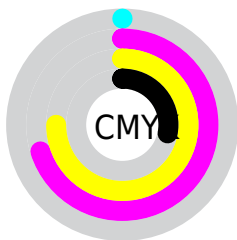
Distribution



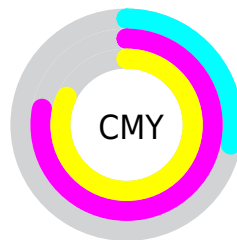
- Red (72%)
- Green (22%)
- Blue (18%)



- Red (72%)
- Yellow (22%)
- Blue (18%)



- Cyan (0%)
- Magenta (70%)
- Yellow (75%)
- Black (28%)




- Cyan (28%)
- Magenta (78%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9969, 0.5577, 0.3389 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 12.9969, 0.5577, 0.3389 by changing the saturation by 10% instead.


 12.9969, 0.5577,
0.3389


 12.9969, 0.5577,
0.3389


210.8978, 0.4126,
0.3453

 7.4264, 0.5995,
0.3293


 31.2982, 0.4999,
0.3460


 3.7302, 0.6615,
0.3136

 44.7978, 0.4796,
0.3470

 1.5238, 0.7272,
0.2728

 61.7093, 0.4631,
0.3473

 0.3054, 0.8505,
0.1495

 82.4170, 0.4495,
0.3472

 0.0000, 1.0000,
0.0000

 107.3052, 0.4380,
0.3468

 0.0000, 0.0000,
0.0000

 136.7586, 0.4283,

0.3464

171.1613, 0.4199,
0.3459

■ 12.9969, 0.5577,
0.3389

■ 12.9969, 0.5577,
0.3389

■ 11.5303, 0.5975,
0.3373

■ 15.0890, 0.5123,
0.3392

■ 10.6175, 0.6253,
0.3346

■ 17.8637, 0.4673,
0.3385

■ 10.3313, 0.6352,
0.3338

■ 21.3740, 0.4267,
0.3370

■ 25.6673, 0.3919,
0.3353

■ 30.7868, 0.3631,
0.3334

■ 36.7728, 0.3396,
0.3315

■ 43.6627, 0.3206,
0.3298

■ 51.4918, 0.3052,
0.3282

■ 60.2937, 0.2927,
0.3267

Harmonies

Analogous

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



12.9969, 0.4850, 0.2657



12.9969, 0.5577, 0.3389



12.9969, 0.5383, 0.4201

Triad

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



12.9969, 0.5577, 0.3389



12.9969, 0.2387, 0.5295



12.9969, 0.1542, 0.1531

Complementary

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



12.9969, 0.5577, 0.3389



34.2669, 0.2272, 0.3139

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.



12.9969, 0.1188, 0.1742



12.9969, 0.5577, 0.3389



12.9969, 0.1546, 0.3750

Square

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



12.9969, 0.5577, 0.3389



12.9969, 0.3490, 0.5738



12.9969, 0.1173, 0.2417



12.9969, 0.2301, 0.1642

Rectangle

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



12.9969, 0.5577, 0.3389



12.9969, 0.4885, 0.4798



12.9969, 0.1173, 0.2417



12.9969, 0.1384, 0.1562

Sweetspot

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



12.9977, 0.5577, 0.3389



57.6738, 0.3567, 0.3329



15.1615, 0.3293, 0.1761



12.1360, 0.3636, 0.3334



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.9977, 0.5577, 0.3389



19.4658, 0.6176, 0.3356



24.0240, 0.4742, 0.4235



9.1045, 0.3286, 0.3306



7.2453, 0.6343, 0.3346



0.2876, 0.6123, 0.3520

Inverse Universe

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



34.2669, 0.2272, 0.3139



59.1472, 0.2208, 0.3102



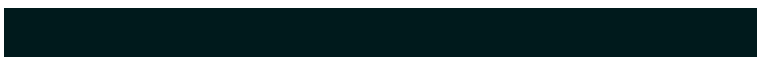
14.6504, 0.1961, 0.1915



10.1067, 0.2985, 0.3274



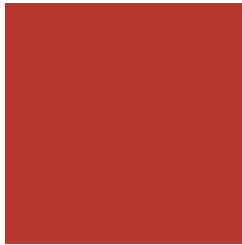
22.7328, 0.2191, 0.3086



0.8320, 0.2206, 0.3142

Previews

White Background



This preview shows how the Yxy color 12.9969, 0.5577, 0.3389 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 12.9969, 0.5577, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 12.9969, 0.5577, 0.3389.



This preview shows how white text looks on a background with the Yxy color 12.9969, 0.5577, 0.3389.

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

12.9969, 0.5577, 0.3389

Protanopia

13.2192, 0.3833, 0.4171

Deuteranopia

13.1950, 0.4432, 0.4377



Tritanopia

12.9911, 0.5436, 0.3275

Trichromacy



Original Color

12.9969, 0.5577, 0.3389

Protanomaly

12.1009, 0.4504, 0.3817

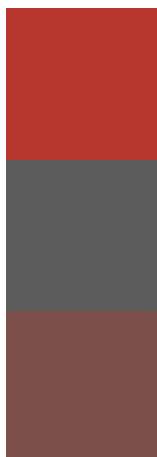
Deuteranomaly

12.3908, 0.4913, 0.3945

Tritanomaly

12.9535, 0.5499, 0.3318

Monochromacy



Original Color

12.9969, 0.5577, 0.3389

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4599, 0.4040, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9969, 0.5577, 0.3389 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(183, 55, 46)` looks like.

```
.text, #text, p{  
    color:rgb(183, 55, 46)  
}
```

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(183, 55, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 55, 46) }
```

Border

The CSS property to change the border of an element to Yxy 12.9969, 0.5577, 0.3389 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(183, 55, 46) }
```

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

```
.border{ border-color:rgb(183, 55, 46) }
```

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

Here you see how a box with a 4 pixel rgb(183, 55, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 55, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 55, 46);  
box-shadow:4px 4px 4px 4px rgb(183, 55,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9969, 0.5577, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 55, 46) }
```

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

```
.background{ background-color: rgb(183, 55,  
46) }
```

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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