

Converting Colors

$Y_{xy}(15.2687, 0.5565, 0.3612)$

Have a look what the booklet for
Yxy(15.2687, 0.5565, 0.3612)
contains.

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Color

Yxy(15.2086, 0.5569, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	BD4525
RGB	189, 69, 37
RGB Percent	74%, 27%, 15%
CMY	0.2588, 0.7294, 0.8550
CMYK	0.00, 0.63, 0.80, 0.26
HSL	13°, 67%, 44%
HSV	13°, 80%, 74%
XYZ	23.4487, 15.2086, 3.4485
YIQ	101.2320, 81.7920, 15.4880

Conversions

Conversions Part 2

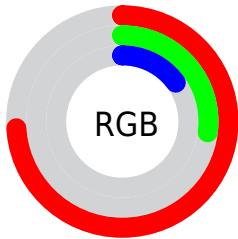
Format	Color
RYB	189, 78, 37
Decimal	12404005
CIELab	45.92, 46.70, 43.48
CIElCh	46, 63.807, 42.954
Yxy	15.2086, 0.5569, 0.3612
Android (android.graphics.Color)	4290594085 (0xFFBD4525)
YUV	101.2320, -31.6664, 76.9725
Hunter-Lab	38.9982, 39.0810, 22.0560

Details

The Yxy color **15.2086, 0.5569, 0.3612** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **28.1748, 0.2144, 0.2746**, and the grayscale version is **13.1449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2546, 0.5043, 0.3650**, and **4.7194, 0.6348, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **13.5094, 0.5911, 0.3562**, and if you desaturate by 10%, it is **17.4324, 0.5172, 0.3626**.

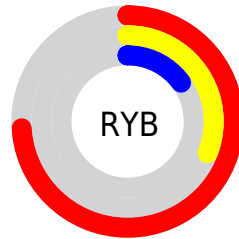
Distribution



Red (74%)

Green (27%)

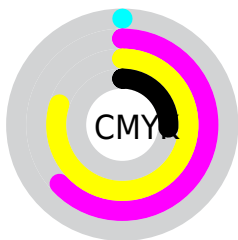
Blue (15%)



Red (74%)

Yellow (31%)

Blue (15%)

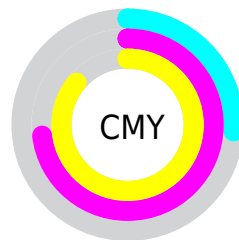


Cyan (0%)

Magenta (63%)

Yellow (80%)

Black (26%)



Cyan (26%)


Magenta (73%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2086, 0.5569, 0.3612 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 15.2086, 0.5569, 0.3612 by changing the saturation by 10% instead.


 15.2086, 0.5569,
0.3612


 15.2086, 0.5569,
0.3612


224.6254, 0.4173,
0.3571


 8.9659, 0.5938,
0.3538


 35.2187, 0.5034,
0.3649


 4.7190, 0.6505,
0.3434

 49.7549, 0.4839,
0.3645


 2.0833, 0.6955,
0.3045

 67.8244, 0.4678,
0.3635

 0.6552, 0.7656,
0.2344

 89.8117, 0.4543,
0.3623


 0.0000, 1.0000,
0.0000

 116.1010, 0.4429,
0.3610

 0.0000, 0.0000,
0.0000


 147.0768, 0.4332,


0.3596


 183.1234, 0.4247,
0.3583


 15.2086, 0.5569,
0.3612

 15.2086, 0.5569,
0.3612


 13.5094, 0.5911,
0.3562

 17.4324, 0.5172,
0.3626

 12.3241, 0.6159,
0.3492

 20.2182, 0.4765,
0.3609

 23.6027, 0.4383,
0.3569

 27.6187, 0.4043,
0.3517

 32.2967, 0.3752,
0.3459

■ 37.6649, 0.3507,
0.3401

■ 43.7501, 0.3303,
0.3345

■ 50.5774, 0.3134,
0.3292

■ 58.1710, 0.2993,
0.3244

Harmonies

Analogous

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



15.2086, 0.5107, 0.2866



15.2086, 0.5569, 0.3612



15.2086, 0.5175, 0.4444

Triad

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



15.2086, 0.5569, 0.3612



15.2086, 0.2131, 0.4885



15.2086, 0.1730, 0.1556

Complementary

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



15.2086, 0.5569, 0.3612



28.1748, 0.2144, 0.2746

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.



15.2086, 0.1276, 0.1670



15.2086, 0.5569, 0.3612



15.2086, 0.1422, 0.3315

Square

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



15.2086, 0.5569, 0.3612



15.2086, 0.3183, 0.5710



15.2086, 0.1168, 0.2189



15.2086, 0.2609, 0.1746

Rectangle

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



15.2086, 0.5569, 0.3612



15.2086, 0.4609, 0.5032



15.2086, 0.1168, 0.2189



15.2086, 0.1536, 0.1558

Sweetspot

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



15.2095, 0.5569, 0.3612



63.5058, 0.3599, 0.3424



14.6306, 0.3644, 0.1913



12.9267, 0.3687, 0.3445



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.



15.2095, 0.5569, 0.3612



22.3548, 0.6118, 0.3497



30.7169, 0.4592, 0.4520



9.8534, 0.3283, 0.3339



8.3838, 0.6139, 0.3508



0.4251, 0.5678, 0.3874

Inverse Universe

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



28.1748, 0.2144, 0.2746



45.5603, 0.2061, 0.2608



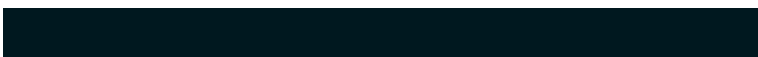
10.1911, 0.1791, 0.1403



10.4590, 0.2985, 0.3241



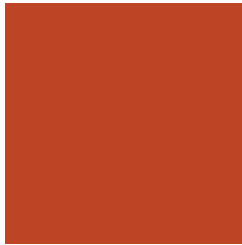
17.0881, 0.2057, 0.2607



0.7565, 0.2108, 0.2788

Previews

White Background



This preview shows how the Yxy color 15.2086, 0.5569, 0.3612 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 15.2086, 0.5569, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

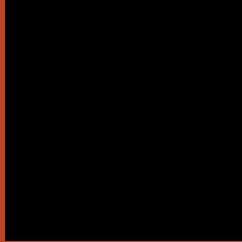
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2086, 0.5569, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 15.2086, 0.5569, 0.3612.



This preview shows how white text looks on a background with the Yxy color 15.2086, 0.5569, 0.3612.

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

15.2086, 0.5569, 0.3612

Protanopia

15.5028, 0.4076, 0.4470

Deuteranopia

15.3785, 0.4578, 0.4507



Tritanopia

15.1574, 0.5189, 0.3250

Trichromacy



Original Color

15.2086, 0.5569, 0.3612

Protanomaly

14.4773, 0.4661, 0.4114

Deuteranomaly

14.7440, 0.5001, 0.4124

Tritanomaly

15.1390, 0.5364, 0.3395

Monochromacy



Original Color

15.2086, 0.5569, 0.3612

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6814, 0.4040, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2086, 0.5569, 0.3612 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(189, 69, 37)` looks like.

```
.text, #text, p{  
    color:rgb(189, 69, 37)  
}
```

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(189, 69, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 69, 37) }
```

Border

The CSS property to change the border of an element to Yxy 15.2086, 0.5569, 0.3612 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(189, 69, 37) }
```

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

```
.border{ border-color:rgb(189, 69, 37) }
```

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

Here you see how a box with a 4 pixel rgb(189, 69, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 69, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 69, 37);  
box-shadow:4px 4px 4px 4px rgb(189, 69,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2086, 0.5569, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 69, 37) }
```

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

```
.background{ background-color: rgb(189, 69,  
37) }
```

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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