

Converting Colors

$Y_{xy}(12.8734, 0.5942, 0.3551)$

Have a look what the booklet for
Yxy(12.8734, 0.5942, 0.3551)
contains.

Yxy(12.8442, 0.5946, 0.3548)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.8442, 0.5946, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	BA3310
RGB	186, 51, 16
RGB Percent	73%, 20%, 6%
CMY	0.2706, 0.7999, 0.9376
CMYK	0.00, 0.73, 0.91, 0.27
HSL	12°, 84%, 40%
HSV	12°, 91%, 73%
XYZ	21.5253, 12.8442, 1.8318
YIQ	87.3750, 91.6950, 17.7350

Conversions

Conversions Part 2

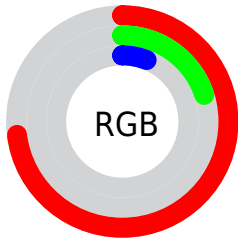
Format	Color
R_{YB}	186, 60, 16
Decimal	12202768
CIE Lab	42.53, 52.50, 49.66
CIE LCh	43, 72.265, 43.411
Yxy	12.8442, 0.5946, 0.3548
Android (android.graphics.Color)	4290392848 (0xFFBA3310)
YUV	87.3750, -35.1879, 86.4941
Hunter-Lab	35.8388, 44.4915, 22.0568

Details

The Yxy color **12.8442, 0.5946, 0.3548** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **25.7523, 0.2091, 0.2676**, and the grayscale version is **9.6792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0137, 0.5348, 0.3643**, and **4.2851, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8492, 0.6165, 0.3487**, and if you desaturate by 10%, it is **14.4278, 0.5611, 0.3601**.

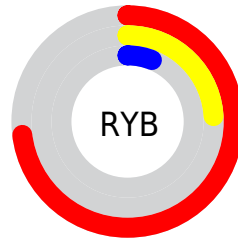
Distribution



Red (73%)

Green (20%)

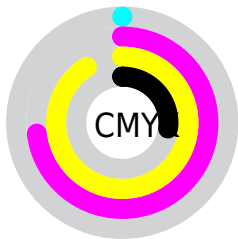
Blue (6%)



Red (73%)

Yellow (24%)

Blue (6%)

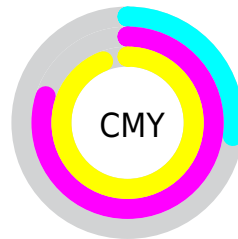


Cyan (0%)

Magenta (73%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (80%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8442, 0.5946, 0.3548 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 12.8442, 0.5946, 0.3548 by changing the saturation by 10% instead.


 12.8442, 0.5946,
0.3548


 12.8442, 0.5946,
0.3548


209.9167, 0.4340,
0.3605

 7.3213, 0.6368,
0.3422


 31.0236, 0.5344,
0.3648


 3.6639, 0.6842,
0.3158

 44.4489, 0.5119,
0.3658

 1.4874, 0.7341,
0.2659

 61.2772, 0.4931,
0.3657

 0.2798, 0.8630,
0.1370

 81.8929, 0.4774,
0.3651

 0.0000, 1.0000,
0.0000


 106.6802, 0.4640,
0.3640


 0.0000, 0.0000,
0.0000


 136.0237, 0.4526,


0.3629


 170.3078, 0.4426,
0.3617


 12.8442, 0.5946,
0.3548

 12.8442, 0.5946,
0.3548


 11.8492, 0.6165,
0.3487

 14.4278, 0.5611,
0.3601

 16.5136, 0.5216,
0.3619

 19.1418, 0.4807,
0.3605

 22.3477, 0.4421,
0.3568

 26.1636, 0.4076,
0.3518

■ 30.6194, 0.3779,
0.3462

■ 35.7428, 0.3530,
0.3404

■ 41.5601, 0.3322,
0.3349

■ 48.0960, 0.3149,
0.3297

Harmonies

Analogous

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



12.8442, 0.5491, 0.2764



12.8442, 0.5946, 0.3548



12.8442, 0.5407, 0.4494

Triad

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



12.8442, 0.5946, 0.3548



12.8442, 0.1899, 0.5233



12.8442, 0.1543, 0.1339

Complementary

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



12.8442, 0.5946, 0.3548



25.7523, 0.2091, 0.2676

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.



12.8442, 0.1058, 0.1437



12.8442, 0.5946, 0.3548



12.8442, 0.1157, 0.3243

Square

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



12.8442, 0.5946, 0.3548



12.8442, 0.3053, 0.6201



12.8442, 0.0927, 0.1965



12.8442, 0.2524, 0.1549

Rectangle

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



12.8442, 0.5946, 0.3548



12.8442, 0.4728, 0.5238



12.8442, 0.0927, 0.1965



12.8442, 0.1335, 0.1335

Sweetspot

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



12.8450, 0.5946, 0.3548



59.0649, 0.3674, 0.3439



13.0726, 0.3727, 0.1867



12.3313, 0.3764, 0.3458



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.



12.8450, 0.5946, 0.3548



21.2026, 0.6189, 0.3468



27.7951, 0.4745, 0.4548



9.3045, 0.3283, 0.3338



8.0618, 0.6145, 0.3503



0.3733, 0.5659, 0.3889

Inverse Universe

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



25.7523, 0.2091, 0.2676



44.2355, 0.2056, 0.2601



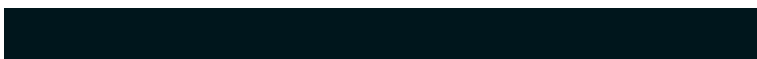
7.6618, 0.1676, 0.1159



9.8873, 0.2985, 0.3242



16.6618, 0.2062, 0.2622



0.6679, 0.2115, 0.2813

Previews

White Background



This preview shows how the Yxy color 12.8442, 0.5946, 0.3548 looks on a white background.

Color Contrast Check

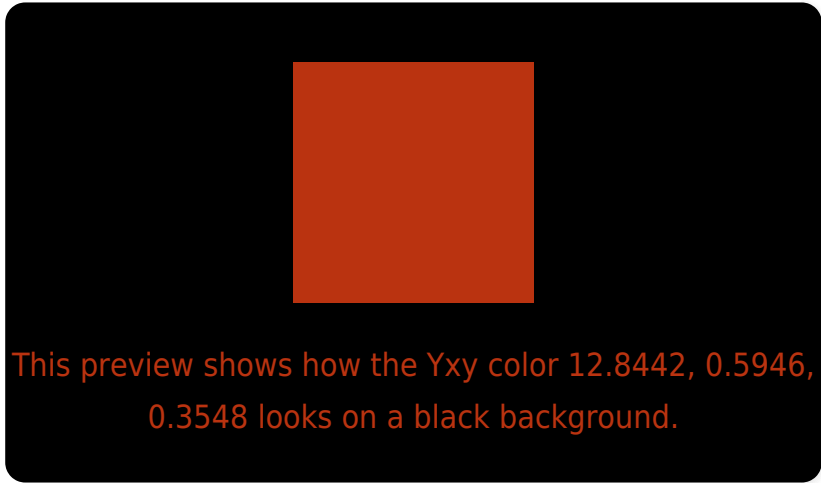
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8442, 0.5946, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 12.8442, 0.5946, 0.3548.



This preview shows how white text looks on a background with the Yxy color 12.8442, 0.5946, 0.3548.

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

12.8442, 0.5946, 0.3548

Protanopia

13.1640, 0.4239, 0.4689

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.9090, 0.5619, 0.3278

Trichromacy



Original Color

12.8442, 0.5946, 0.3548

Protanomaly

11.8279, 0.4972, 0.4178

Deuteranomaly

12.1400, 0.5248, 0.4165

Tritanomaly

12.9014, 0.5773, 0.3394

Monochromacy



Original Color

12.8442, 0.5946, 0.3548

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4454, 0.4318, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8442, 0.5946, 0.3548 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(186, 51, 16)` looks like.

```
.text, #text, p{  
    color:rgb(186, 51, 16)  
}
```

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(186, 51, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 51, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.8442, 0.5946, 0.3548 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(186, 51, 16) }
```

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

```
.border{ border-color:rgb(186, 51, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 51, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 51, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 51, 16);  
box-shadow:4px 4px 4px 4px rgb(186, 51,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8442, 0.5946, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 51, 16) }
```

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

```
.background{ background-color: rgb(186, 51,  
16) }
```

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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