

Converting Colors

$Y_{xy}(11.7516, 0.6044, 0.3442)$

Have a look what the booklet for
Yxy(11.7516, 0.6044, 0.3442)
contains.

Yxy(11.7516, 0.6044, 0.3442)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7516, 0.6044, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	B82812
RGB	184, 40, 18
RGB Percent	72%, 16%, 7%
CMY	0.2784, 0.8431, 0.9292
CMYK	0.00, 0.78, 0.90, 0.28
HSL	8°, 82%, 40%
HSV	8°, 90%, 72%
XYZ	20.6353, 11.7516, 1.7549
YIQ	80.5480, 92.8860, 23.6860

Conversions

Conversions Part 2

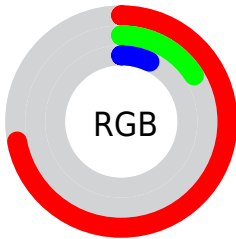
Format	Color
RYB	184, 43, 18
Decimal	12068882
CIELab	40.82, 55.60, 47.44
CIELCh	41, 73.093, 40.472
Yxy	11.7516, 0.6044, 0.3442
Android (android.graphics.Color)	4290258962 (0xFFB82812)
YUV	80.5480, -30.8362, 90.7274
Hunter-Lab	34.2806, 47.4574, 20.9613

Details

The Yxy color **11.7516, 0.6044, 0.3442** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **29.4422, 0.2158, 0.2911**, and the grayscale version is **8.1849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0735, 0.5410, 0.3572**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.8581, 0.6282, 0.3394**, and if you desaturate by 10%, it is **13.1463, 0.5695, 0.3481**.

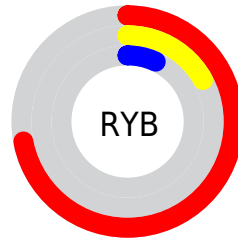
Distribution



Red (72%)

Green (16%)

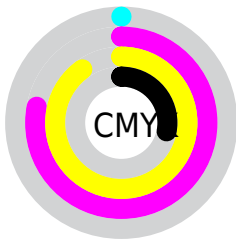
Blue (7%)



Red (72%)

Yellow (17%)

Blue (7%)

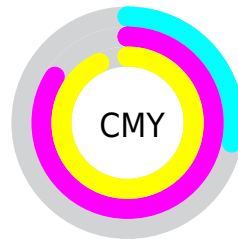


Cyan (0%)

Magenta (78%)

Yellow (90%)

Black (28%)



Cyan (28%)


Magenta (84%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7516, 0.6044, 0.3442 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 11.7516, 0.6044, 0.3442 by changing the saturation by 10% instead.


 11.7516, 0.6044,
0.3442


 11.7516, 0.6044,
0.3442


202.7538, 0.4358,
0.3561


 6.5748, 0.6503,
0.3297


 29.0419, 0.5404,
0.3569


 3.1976, 0.7006,
0.2994

 41.9241, 0.5167,
0.3588


 1.2358, 0.7554,
0.2446

 58.1436, 0.4971,
0.3594

 0.0906, 0.9463,
0.0537

 78.0848, 0.4807,
0.3592


 0.0000, 1.0000,
0.0000


 102.1320, 0.4668,
0.3587


 0.0000, 0.0000,
0.0000


 130.6696, 0.4550,

0.3579


 164.0821, 0.4447,
0.3571


 11.7516, 0.6044,
0.3442


 11.7516, 0.6044,
0.3442


 10.8581, 0.6282,
0.3394

 13.1463, 0.5695,
0.3481

 15.0915, 0.5274,
0.3496

 17.6383, 0.4838,
0.3489

 20.8310, 0.4428,
0.3465

 24.7099, 0.4068,
0.3433

■ 29.3119, 0.3762,
0.3396

■ 34.6714, 0.3509,
0.3359

■ 40.8203, 0.3300,
0.3324

■ 47.7890, 0.3130,
0.3291

Harmonies

Analogous

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



11.7516, 0.5470, 0.2659



11.7516, 0.6044, 0.3442



11.7516, 0.5562, 0.4399

Triad

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



11.7516, 0.6044, 0.3442



11.7516, 0.1946, 0.5515



11.7516, 0.1430, 0.1284

Complementary

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



11.7516, 0.6044, 0.3442



29.4422, 0.2158, 0.2911

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.



11.7516, 0.0980, 0.1414



11.7516, 0.6044, 0.3442



11.7516, 0.1144, 0.3413

Square

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



11.7516, 0.6044, 0.3442



11.7516, 0.3141, 0.6304



11.7516, 0.0878, 0.2000



11.7516, 0.2374, 0.1468

Rectangle

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



11.7516, 0.6044, 0.3442



11.7516, 0.4855, 0.5145



11.7516, 0.0878, 0.2000



11.7516, 0.1235, 0.1290

Sweetspot

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



11.7523, 0.6044, 0.3442



55.6603, 0.3688, 0.3386



13.3277, 0.3489, 0.1739



11.3316, 0.3780, 0.3399



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.



11.7523, 0.6044, 0.3442



19.4911, 0.6301, 0.3379



23.7594, 0.4919, 0.4387



9.1988, 0.3284, 0.3321



7.5444, 0.6267, 0.3406



0.3282, 0.5884, 0.3710

Inverse Universe

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



29.4422, 0.2158, 0.2911



51.3725, 0.2127, 0.2859



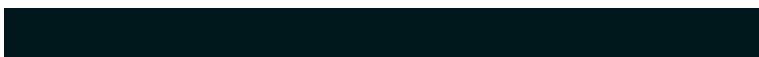
9.5733, 0.1748, 0.1407



10.0024, 0.2985, 0.3259



19.7024, 0.2131, 0.2872



0.7513, 0.2164, 0.2989

Previews

White Background



This preview shows how the Yxy color 11.7516, 0.6044, 0.3442 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 11.7516, 0.6044, 0.3442 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 11.7516, 0.6044, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 11.7516, 0.6044, 0.3442.



This preview shows how white text looks on a background with the Yxy color 11.7516, 0.6044, 0.3442.

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

11.7516, 0.6044, 0.3442

Protanopia

12.0909, 0.4182, 0.4624

Deuteranopia

11.8652, 0.4701, 0.4650



Tritanopia

11.7165, 0.5858, 0.3298

Trichromacy



Original Color

11.7516, 0.6044, 0.3442

Protanomaly

10.6211, 0.4997, 0.4081

Deuteranomaly

10.8002, 0.5332, 0.4085

Tritanomaly

11.7403, 0.5934, 0.3359

Monochromacy



Original Color

11.7516, 0.6044, 0.3442

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.0535, 0.4378, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7516, 0.6044, 0.3442 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(184, 40, 18)` looks like.

```
.text, #text, p{  
    color:rgb(184, 40, 18)  
}
```

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(184, 40, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 40, 18) }
```

Border

The CSS property to change the border of an element to Yxy 11.7516, 0.6044, 0.3442 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(184, 40, 18) }
```

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

```
.border{ border-color:rgb(184, 40, 18) }
```

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

Here you see how a box with a 4 pixel rgb(184, 40, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 40, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 40, 18);  
box-shadow:4px 4px 4px 4px rgb(184, 40,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7516, 0.6044, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 40, 18) }
```

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

```
.background{ background-color: rgb(184, 40,  
18) }
```

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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