

Converting Colors

$Y_{xy}(17.5693, 0.5346, 0.3683)$

Have a look what the booklet for
Yxy(17.5693, 0.5346, 0.3683)
contains.

Yxy(17.5693, 0.5346, 0.3683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5693, 0.5346, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	C1522E
RGB	193, 82, 46
RGB Percent	76%, 32%, 18%
CMY	0.2431, 0.6784, 0.8196
CMYK	0.00, 0.58, 0.76, 0.24
HSL	15°, 62%, 47%
HSV	15°, 76%, 76%
XYZ	25.5024, 17.5693, 4.6320
YIQ	111.0850, 77.7120, 12.3360

Conversions

Conversions Part 2

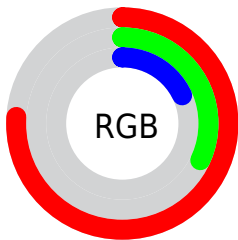
Format	Color
R_{YB}	193, 94, 46
Decimal	12669486
CIE _{Lab}	48.97, 42.45, 42.20
CIE _{LCh}	49, 59.856, 44.830
Yxy	17.5693, 0.5346, 0.3683
Android (android.graphics.Color)	4290859566 (0xFFC1522E)
YUV	111.0850, -32.0869, 71.8395
Hunter-Lab	41.9157, 35.2507, 22.7890

Details

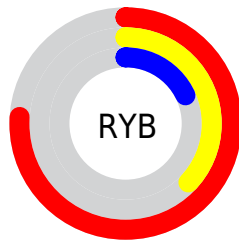
The Yxy color **17.5693, 0.5346, 0.3683** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.5423, 0.2149, 0.2690**, and the grayscale version is **16.0014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3961, 0.4863, 0.3690**, and **5.8653, 0.6100, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **15.4813, 0.5708, 0.3649**, and if you desaturate by 10%, it is **20.1944, 0.4953, 0.3679**.

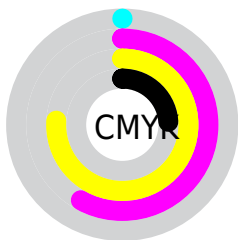
Distribution



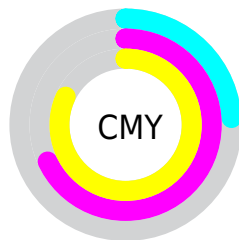
- Red (76%)
- Green (32%)
- Blue (18%)



- Red (76%)
- Yellow (37%)
- Blue (18%)



- Cyan (0%)
- Magenta (58%)
- Yellow (76%)
- Black (24%)





- Cyan (24%)
- Magenta (68%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5693, 0.5346, 0.3683 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 17.5693, 0.5346, 0.3683 by changing the saturation by 10% instead.


 17.5693, 0.5346,
0.3683

 17.5693, 0.5346,
0.3683


238.4321, 0.4093,
0.3580


 10.6412, 0.5679,
0.3644

 39.3020, 0.4867,
0.3685


 5.8261, 0.6117,
0.3553

 54.8755, 0.4693,
0.3672

 2.7396, 0.6668,
0.3332

 74.0995, 0.4548,
0.3656

 0.9974, 0.7204,
0.2796

 97.3585, 0.4427,
0.3640

 0.0000, 1.0000,
0.0000

 125.0369, 0.4324,
0.3624

 0.0000, 0.0000,
0.0000

 157.5190, 0.4236,

0.3608

195.1892, 0.4160,
0.3593

■ 17.5693, 0.5346,
0.3683

■ 17.5693, 0.5346,
0.3683

■ 15.4813, 0.5708,
0.3649

■ 20.1944, 0.4953,
0.3679

■ 13.8872, 0.5997,
0.3574

■ 23.3891, 0.4567,
0.3644

■ 13.3921, 0.6092,
0.3544

■ 27.1863, 0.4214,
0.3590

■ 31.6156, 0.3903,
0.3525

■ 36.7048, 0.3637,
0.3458

■ 42.4797, 0.3414,
0.3391

■ 48.9648, 0.3227,
0.3327

■ 56.1834, 0.3071,
0.3268

■ 64.1576, 0.2940,
0.3213

Harmonies

Analogous

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



17.5693, 0.4955, 0.2967



17.5693, 0.5346, 0.3683



17.5693, 0.4990, 0.4459

Triad

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



17.5693, 0.5346, 0.3683



17.5693, 0.2192, 0.4612



17.5693, 0.1886, 0.1691

Complementary

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



17.5693, 0.5346, 0.3683



28.5423, 0.2149, 0.2690

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.



17.5693, 0.1430, 0.1788



17.5693, 0.5346, 0.3683



17.5693, 0.1544, 0.3253

Square

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



17.5693, 0.5346, 0.3683



17.5693, 0.3159, 0.5426



17.5693, 0.1313, 0.2262



17.5693, 0.2731, 0.1886

Rectangle

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



17.5693, 0.5346, 0.3683



17.5693, 0.4475, 0.4972



17.5693, 0.1313, 0.2262



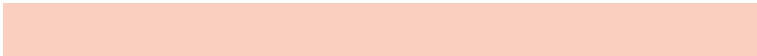
17.5693, 0.1693, 0.1689

Sweetspot

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



17.5703, 0.5346, 0.3683



68.5146, 0.3571, 0.3439



15.7841, 0.3689, 0.1994



13.9293, 0.3658, 0.3463



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



17.5703, 0.5346, 0.3683



25.8417, 0.5899, 0.3606



34.5793, 0.4471, 0.4547



10.4697, 0.3283, 0.3347



9.0149, 0.6071, 0.3562



0.5021, 0.5621, 0.3919

Inverse Universe

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



28.5423, 0.2149, 0.2690



45.7436, 0.2052, 0.2543



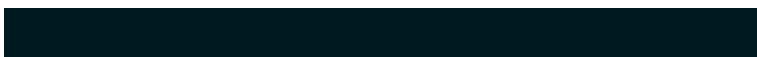
10.9598, 0.1825, 0.1427



10.9969, 0.2984, 0.3232



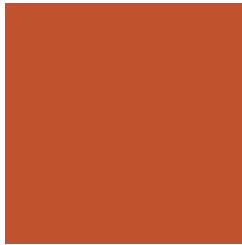
16.3086, 0.2024, 0.2486



0.8072, 0.2080, 0.2686

Previews

White Background



This preview shows how the Yxy color 17.5693, 0.5346, 0.3683 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 17.5693, 0.5346, 0.3683 looks on a black 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

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

Yxy 17.5693, 0.5346, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 17.5693, 0.5346, 0.3683.



This preview shows how white text looks on a background with the Yxy color 17.5693, 0.5346, 0.3683.

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

17.5693, 0.5346, 0.3683

Protanopia

17.7539, 0.4035, 0.4401

Deuteranopia

17.6198, 0.4495, 0.4427



Tritanopia

17.6754, 0.4902, 0.3234

Trichromacy



Original Color

17.5693, 0.5346, 0.3683

Protanomaly

16.9209, 0.4545, 0.4111

Deuteranomaly

17.0610, 0.4839, 0.4115

Tritanomaly

17.5035, 0.5083, 0.3402

Monochromacy



Original Color

17.5693, 0.5346, 0.3683

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4652, 0.3939, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5693, 0.5346, 0.3683 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(193, 82, 46)` looks like.

```
.text, #text, p{  
    color:rgb(193, 82, 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(193, 82, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 82, 46) }
```

Border

The CSS property to change the border of an element to Yxy 17.5693, 0.5346, 0.3683 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(193, 82, 46) }
```

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

```
.border{ border-color:rgb(193, 82, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 82, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 82, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 82, 46);  
box-shadow:4px 4px 4px 4px rgb(193, 82,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5693, 0.5346, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 82, 46) }
```

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

```
.background{ background-color: rgb(193, 82,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor