

Converting Colors

$Y_{xy}(14.6361, 0.3595, 0.4816)$

Have a look what the booklet for
Yxy(14.6361, 0.3595, 0.4816)
contains.

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Color

Yxy(14.6829, 0.3591, 0.4820)

Conversions

Conversions Part 1

Format	Color
Hex	5B732E
RGB	91, 115, 46
RGB Percent	36%, 45%, 18%
CMY	0.6431, 0.5490, 0.8197
CMYK	0.21, 0.00, 0.60, 0.55
HSL	81°, 43%, 32%
HSV	81°, 60%, 45%
XYZ	10.9391, 14.6829, 4.8405
YIQ	99.9580, 7.8450, -26.5470

Conversions

Conversions Part 2

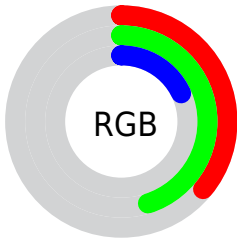
Format	Color
RYB	46, 115, 70
Decimal	5993262
CIELab	45.20, -20.57, 34.66
CIELCh	45, 40.305, 120.684
Yxy	14.6829, 0.3591, 0.4820
Android (android.graphics.Color)	4284183342 (0xFF5B732E)
YUV	99.9580, -26.6013, -7.8562
Hunter-Lab	38.3183, -16.0990, 19.3331

Details

The Yxy color **14.6829, 0.3591, 0.4820** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.4916, 0.2370, 0.1614**, and the grayscale version is **12.8009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3033, 0.3510, 0.4425**, and **4.5066, 0.3620, 0.5508** is the 20% darker color. If you saturate the color by 10%, you get **14.4069, 0.3628, 0.5046**, and if you desaturate by 10%, it is **14.9953, 0.3536, 0.4570**.

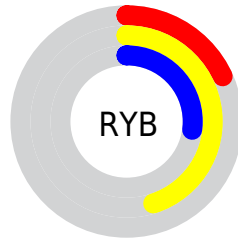
Distribution



Red (36%)

Green (45%)

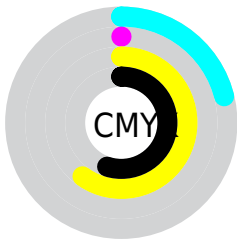
Blue (18%)



Red (18%)

Yellow (45%)

Blue (27%)

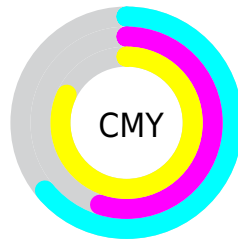


Cyan (21%)

Magenta (0%)

Yellow (60%)

Black (55%)



Cyan (64%)


Magenta (55%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6829, 0.3591, 0.4820 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 14.6829, 0.3591, 0.4820 by changing the saturation by 10% instead.


 14.6829, 0.3591,
0.4820


 14.6829, 0.3591,
0.4820


 221.4388, 0.3355,
0.3887


 8.5971, 0.3630,
0.5121


 34.2959, 0.3513,
0.4432


 4.4794, 0.3662,
0.5574

 48.5920, 0.3480,
0.4302


 1.9452, 0.3661,
0.6339

 66.3936, 0.3451,
0.4197

 0.5753, 0.0721,
0.9279

 88.0852, 0.3426,
0.4112

 0.0000, 0.0000,
0.0000

 114.0511, 0.3405,
0.4041

 144.6757, 0.3386,

0.3982

180.3435, 0.3370,
0.3931

■ 14.6829, 0.3591,
0.4820

■ 14.6829, 0.3591,
0.4820

■ 14.4069, 0.3628,
0.5046

■ 14.9953, 0.3536,
0.4570

■ 14.1633, 0.3644,
0.5238

■ 15.3441, 0.3466,
0.4306

■ 13.9501, 0.3637,
0.5387

■ 15.7318, 0.3387,
0.4039

■ 13.7587, 0.3618,
0.5509

■ 16.1599, 0.3302,
0.3777

■ 16.6300, 0.3214,
0.3526

■ 17.1435, 0.3127,
0.3290

■ 17.7018, 0.3043,
0.3072

■ 18.3062, 0.2961,
0.2871

■ 18.9578, 0.2885,
0.2688

Harmonies

Analogous

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



14.6829, 0.4292, 0.4541



14.6829, 0.3591, 0.4820



14.6829, 0.2808, 0.4537

Triad

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



14.6829, 0.3591, 0.4820



14.6829, 0.1738, 0.2308



14.6829, 0.4125, 0.2833

Complementary

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



14.6829, 0.3591, 0.4820



4.4916, 0.2370, 0.1614

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.



14.6829, 0.3290, 0.2378



14.6829, 0.3591, 0.4820



14.6829, 0.1979, 0.2071

Square

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



14.6829, 0.3591, 0.4820



14.6829, 0.1790, 0.2873



14.6829, 0.2510, 0.2108



14.6829, 0.4675, 0.3396

Rectangle

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



14.6829, 0.3591, 0.4820



14.6829, 0.2346, 0.4030



14.6829, 0.2510, 0.2108



14.6829, 0.3861, 0.2665

Sweetspot

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



14.6836, 0.3591, 0.4820



29.0620, 0.3288, 0.3738



8.0970, 0.4523, 0.3780



6.8872, 0.3309, 0.3799



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.6836, 0.3591, 0.4820



25.6223, 0.3637, 0.5125



13.3429, 0.3159, 0.5054



4.2056, 0.3206, 0.3503



15.7169, 0.3614, 0.5512



76.1009, 0.3584, 0.5536

Inverse Universe

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



4.4916, 0.2370, 0.1614



5.5770, 0.2154, 0.1243



6.1037, 0.2972, 0.1866



3.6460, 0.3044, 0.3074



1.9188, 0.1798, 0.0764



8.9149, 0.1748, 0.0737

Previews

White Background



This preview shows how the Yxy color 14.6829, 0.3591, 0.4820 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 14.6829, 0.3591, 0.4820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

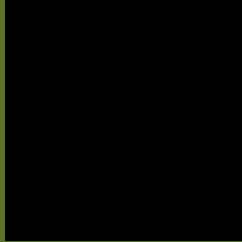
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6829, 0.3591, 0.4820

Background



This preview shows how black text looks on a background with the Yxy color 14.6829, 0.3591, 0.4820.



This preview shows how white text looks on a background with the Yxy color 14.6829, 0.3591, 0.4820.

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

14.6829, 0.3591, 0.4820

Protanopia

14.6192, 0.4106, 0.4506

Deuteranopia

14.6386, 0.4297, 0.4238



Tritanopia

14.6954, 0.2924, 0.3120

Trichromacy



Original Color

14.6829, 0.3591, 0.4820

Protanomaly

14.5925, 0.3911, 0.4618

Deuteranomaly

14.5190, 0.4023, 0.4442

Tritanomaly

14.6656, 0.3186, 0.3738

Monochromacy



Original Color

14.6829, 0.3591, 0.4820

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2237, 0.3343, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6829, 0.3591, 0.4820 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(91, 115, 46)` looks like.

```
.text, #text, p{  
    color:rgb(91, 115, 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(91, 115, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 115, 46) }
```

Border

The CSS property to change the border of an element to Yxy 14.6829, 0.3591, 0.4820 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(91, 115, 46) }
```

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

```
.border{ border-color:rgb(91, 115, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 115, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 115, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 115, 46);  
box-shadow:4px 4px 4px 4px rgb(91, 115,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6829, 0.3591, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 115, 46) }
```

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

```
.background{ background-color: rgb(91, 115,  
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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