

Converting Colors

XYZ(41.6663, 47.0169, 32.9992)

Have a look what the booklet for
XYZ(41.6663, 47.0169, 32.9992)
contains.

XYZ(41.5729, 46.9247, 32.8529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.5729, 46.9247,
32.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BA8F
RGB	181, 186, 143
RGB Percent	71%, 73%, 56%
CMY	0.2902, 0.2706, 0.4392
CMYK	0.03, 0.00, 0.23, 0.27
HSL	67°, 24%, 65%
HSV	67°, 23%, 73%
XYZ	41.5729, 46.9247, 32.8529
YIQ	179.6030, 10.8230, -14.4330

Conversions

Conversions Part 2

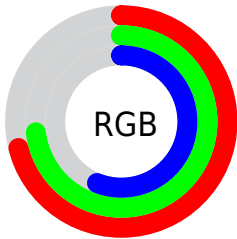
Format	Color
R_{YB}	143, 186, 148
Decimal	11909775
CIE Lab	74.14, -9.00, 21.27
CIE LCh	74, 23.098, 112.928
Yxy	46.9247, 0.3426, 0.3867
Android (android.graphics.Color)	4290099855 (0xFFB5BA8F)
YUV	179.6030, -18.0453, 1.2252
Hunter-Lab	68.5016, -11.5480, 19.5160

Details

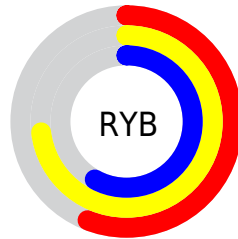
The XYZ color **41.5729, 46.9247, 32.8529** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.8999, 29.4873, 50.5199**, and the grayscale version is **43.2602, 45.5131, 49.5637**.

A 20% lighter version of the original color is **76.7552, 85.5400, 65.2888**, and **19.2214, 22.1370, 13.3850** is the 20% darker color. If you saturate the color by 10%, you get **39.7760, 46.1493, 26.0134**, and if you desaturate by 10%, it is **43.6139, 47.8018, 40.9253**.

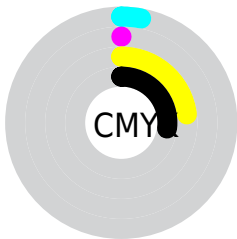
Distribution



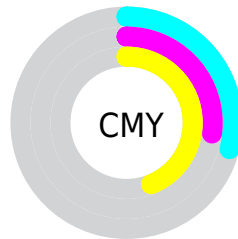
- Red (71%)
- Green (73%)
- Blue (56%)



- Red (56%)
- Yellow (73%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)



- Cyan (29%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5729, 46.9247, 32.8529 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 XYZ color 41.5729, 46.9247, 32.8529 by changing the saturation by 10% instead.

■ 41.5729, 46.9247,
32.8529

■ 41.5729, 46.9247,
32.8529

343.7312,
374.5139, 329.5980

■ 28.9567, 32.9761,
21.7436

■ 76.8220, 85.6012,
65.2592

■ 19.1921, 22.1082,
13.4721

■ 100.1857,
111.0979, 87.3932

■ 11.9140, 13.9364,
7.6199

127.8624,
141.2129, 114.0392

■ 6.7569, 8.0764,
3.7684

160.2177,
176.3303, 145.6158

■ 3.3555, 4.1439,
1.4992

197.6169,
216.8348, 182.5414

■ 1.3444, 1.7544,
0.2173

240.4253,

■ 0.2161, 0.4585,

263.1106, 225.2346

0.0000

289.0083,
315.5422, 274.1140

■ 0.0000, 0.0000,
0.0000

■ 41.5729, 46.9247,
32.8529

■ 41.5729, 46.9247,
32.8529

■ 39.7760, 46.1493,
26.0134

■ 43.6139, 47.8018,
40.9253

■ 38.2078, 45.4648,
20.3433

■ 45.9059, 48.7786,
50.2841

■ 36.8572, 44.8682,
15.7777

■ 48.4604, 49.8613,
60.9831

■ 35.7103, 44.3540,
12.2444

■ 51.2868, 51.0537,
73.0725

■ 34.7518, 43.9160,
9.6626

■ 54.3941, 52.3594,
86.5995

■ 33.9639, 43.5472,
7.9394

■ 57.7911, 53.7819,
101.6093

■ 33.3256, 43.2390,
6.9635

■ 58.4142, 54.0958,
101.9705

■ 32.9442, 43.0506,
6.5733

■ 58.9819, 54.3885,
101.9971

■ 59.5578, 54.6853,
102.0240

Harmonies

Analogous

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



45.5870, 46.9247, 31.6560



41.5729, 46.9247, 32.8529



38.5502, 46.9247, 38.5540

Triad

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



41.5729, 46.9247, 32.8529



39.9753, 46.9247, 71.5099



52.9693, 46.9247, 53.9493

Complementary

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



41.5729, 46.9247, 32.8529



30.8999, 29.4873, 50.5199

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.



51.2530, 46.9247, 66.0928



41.5729, 46.9247, 32.8529



43.6284, 46.9247, 77.1989

Square

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



41.5729, 46.9247, 32.8529



37.6684, 46.9247, 60.4916



47.7717, 46.9247, 75.0769



52.3349, 46.9247, 42.7221

Rectangle

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



41.5729, 46.9247, 32.8529



37.4206, 46.9247, 44.6928



47.7717, 46.9247, 75.0769



52.6447, 46.9247, 58.0769

Sweetspot

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



41.5741, 46.9268, 32.8539



81.4864, 87.6792, 84.0725



35.6896, 33.3844, 30.5501



17.8891, 19.2847, 18.2868



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



41.5741, 46.9268, 32.8539



73.5566, 84.2785, 52.6499



37.0557, 44.5975, 32.6424



9.6445, 10.4489, 9.6154



22.2035, 28.9826, 4.4240



0.8121, 1.0368, 0.1573

Inverse Universe

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



30.8999, 29.4873, 50.5199



50.6473, 46.8437, 90.5737



35.0062, 31.6041, 50.7121



8.6156, 8.7682, 11.3178



6.2140, 2.5146, 31.4109



0.2511, 0.1051, 1.1088

Previews

White Background



This preview shows how the XYZ color 41.5729, 46.9247, 32.8529 looks on a white background.

Color Contrast Check

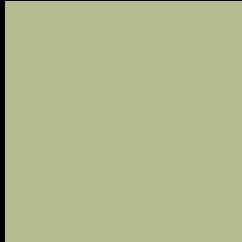
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.5729, 46.9247, 32.8529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

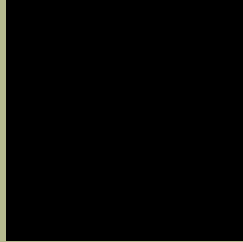
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

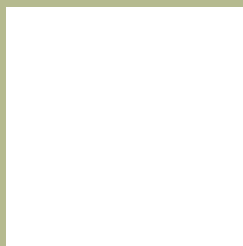
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5729, 46.9247, 32.8529

Background



This preview shows how black text looks on a background with the XYZ color 41.5729, 46.9247, 32.8529.



This preview shows how white text looks on a background with the XYZ color 41.5729, 46.9247,

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

41.5729, 46.9247, 32.8529

Protanopia

43.7838, 46.8483, 31.9343

Deuteranopia

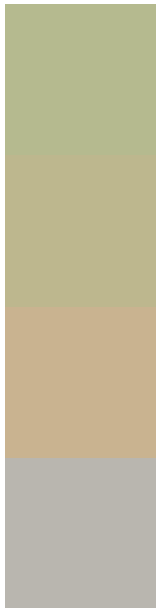
47.5922, 46.7013, 33.2939



Tritanopia

46.4848, 46.7818, 57.0319

Trichromacy



Original Color

41.5729, 46.9247, 32.8529

Protanomaly

42.8022, 46.6388, 32.3375

Deuteranomaly

45.2415, 46.6713, 33.0095

Tritanomaly

44.4734, 46.8653, 47.2594

Monochromacy



Original Color

41.5729, 46.9247, 32.8529

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.5254, 45.9492, 43.1870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5729, 46.9247, 32.8529 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(181, 186, 143)` looks like.

```
.text, #text, p{  
    color:rgb(181, 186, 143)  
}
```

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(181, 186, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 186, 143) }
```

Border

The CSS property to change the border of an element to XYZ 41.5729, 46.9247, 32.8529 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(181, 186, 143) }
```


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

```
.border{ border-color:rgb(181, 186, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 186, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 186, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 186, 143);  
box-shadow:4px 4px 4px 4px rgb(181, 186,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5729, 46.9247, 32.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 186, 143) }
```

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

```
.background{ background-color: rgb(181,  
186, 143) }
```

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