

Converting Colors

XYZ(42.7165, 45.9216, 47.2319)

Have a look what the booklet for
XYZ(42.7165, 45.9216, 47.2319)
contains.

XYZ(42.8259, 46.0160, 47.1823)	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(42.8259, 46.0160,
47.1823)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B6AF
RGB	178, 182, 175
RGB Percent	70%, 71%, 69%
CMY	0.3020, 0.2863, 0.3137
CMYK	0.02, 0.00, 0.04, 0.29
HSL	94°, 5%, 70%
HSV	94°, 4%, 71%
XYZ	42.8259, 46.0160, 47.1823
YIQ	180.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

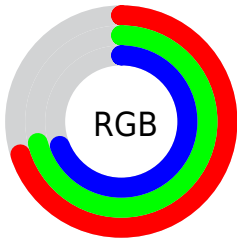
Format	Color
RYB	175, 182, 179
Decimal	11712175
CIELab	73.56, -2.70, 3.06
CIELCh	74, 4.081, 131.399
Yxy	46.0160, 0.3148, 0.3383
Android (android.graphics.Color)	4289902255 (0xFFB2B6AF)
YUV	180.0060, -2.4680, -1.7593
Hunter-Lab	67.8351, -6.0201, 6.2458

Details

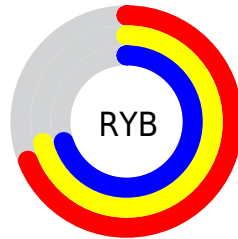
The XYZ color **42.8259, 46.0160, 47.1823** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.3657, 43.6223, 50.4454**, and the grayscale version is **43.3996, 45.6598, 49.7235**.

A 20% lighter version of the original color is **78.7891, 84.3547, 86.9924**, and **19.8829, 21.4905, 21.8390** is the 20% darker color. If you saturate the color by 10%, you get **38.8604, 44.1658, 38.2860**, and if you desaturate by 10%, it is **47.2161, 48.0599, 57.3582**.

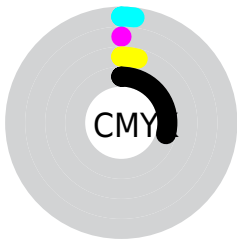
Distribution



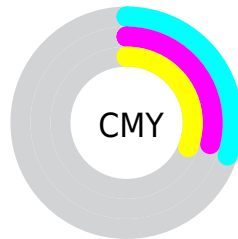
- Red (70%)
- Green (71%)
- Blue (69%)



- Red (69%)
- Yellow (71%)
- Blue (70%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)



- Cyan (30%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8259, 46.0160, 47.1823 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 42.8259, 46.0160, 47.1823 by changing the saturation by 10% instead.

■ 42.8259, 46.0160,
47.1823

■ 42.8259, 46.0160,
47.1823

348.8290,
370.8730, 391.9565

■ 29.9425, 32.2584,
32.8244

■ 78.7054, 84.2429,
87.3385

■ 19.9428, 21.5590,
21.7220

102.4322,
109.4811, 113.9739

■ 12.4615, 13.5332,
13.4564

130.5042,
139.3150, 145.5389

■ 7.1332, 7.7967,
7.6091

163.2867,
174.1289, 182.4520

■ 3.5926, 3.9652,
3.7617

201.1450,
214.3072, 225.1318

■ 1.4744, 1.6541,
1.4956

244.4446,

■ 0.3083, 0.3937,

260.2344, 273.9968

0.2146

293.5508,
312.2949, 329.4655

■ 0.0000, 0.0000,
0.0000

■ 42.8259, 46.0160,
47.1823

■ 42.8259, 46.0160,
47.1823

■ 38.8604, 44.1658,
38.2860

■ 47.2161, 48.0599,
57.3582

■ 35.3021, 42.4976,
30.6156

■ 52.0400, 50.2971,
68.8583

■ 32.1380, 41.0069,
24.1182

■ 57.3112, 52.7351,
81.7290

■ 29.3528, 39.6874,
18.7357

■ 63.0415, 55.3790,
96.0135

■ 26.9301, 38.5318,
14.4054

■ 67.4194, 57.5045,
102.1538

■ 24.8523, 37.5326,
11.0579

■ 70.8593, 59.2778,
102.3148

■ 23.0998, 36.6814,
8.6158

■ 74.5019, 61.1557,
102.4853

■ 21.6506, 35.9687,
6.9899

■ 76.0188, 61.9377,
102.5563

■ 20.4790, 35.3838,
6.0731

Harmonies

Analogous

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



43.4632, 46.0160, 46.3093



42.8259, 46.0160, 47.1823



42.4353, 46.0160, 48.8471

Triad

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



42.8259, 46.0160, 47.1823



43.2959, 46.0160, 53.9639



45.1108, 46.0160, 49.3225

Complementary

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



42.8259, 46.0160, 47.1823



42.3657, 43.6223, 50.4454

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.



45.0647, 46.0160, 51.3815



42.8259, 46.0160, 47.1823



44.0116, 46.0160, 54.0997

Square

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



42.8259, 46.0160, 47.1823



42.7045, 46.0160, 52.7769



44.6606, 46.0160, 53.1431



44.7856, 46.0160, 47.5221

Rectangle

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



42.8259, 46.0160, 47.1823



42.3647, 46.0160, 50.2007



44.6606, 46.0160, 53.1431



45.1383, 46.0160, 50.0066

Sweetspot

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



42.8272, 46.0180, 47.1833



79.8149, 84.4383, 90.5211



43.1445, 45.2689, 47.0220



17.6377, 18.6541, 20.0142



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



42.8272, 46.0180, 47.1833



76.7107, 82.9920, 83.4195



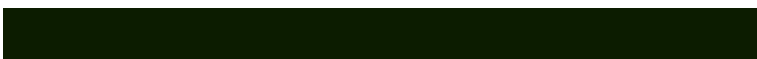
42.1923, 45.6854, 47.3934



9.5878, 10.4029, 10.3685



14.1025, 24.8064, 4.0448



0.5683, 0.9112, 0.1459

Inverse Universe

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



42.3657, 43.6223, 50.4454



75.6141, 77.2996, 91.1707



43.0184, 43.9644, 50.2244



9.4364, 9.6172, 11.4384



10.0750, 4.5050, 31.5916



0.4245, 0.1945, 1.1169

Previews

White Background



This preview shows how the XYZ color 42.8259, 46.0160, 47.1823 looks on a white background.

Color Contrast Check

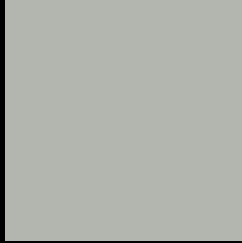
Large Text (above 18pt) WCAG AA × Fail

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 42.8259, 46.0160, 47.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

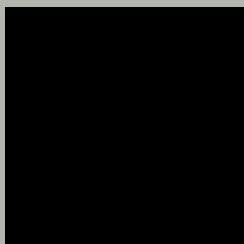
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

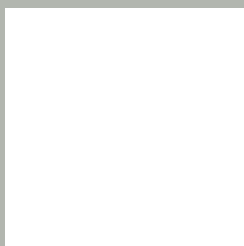
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8259, 46.0160, 47.1823

Background



This preview shows how black text looks on a background with the XYZ color 42.8259, 46.0160, 47.1823.



This preview shows how white text looks on a background with the XYZ color 42.8259, 46.0160,

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

42.8259, 46.0160, 47.1823

Protanopia

43.9688, 46.0128, 46.6084

Deuteranopia

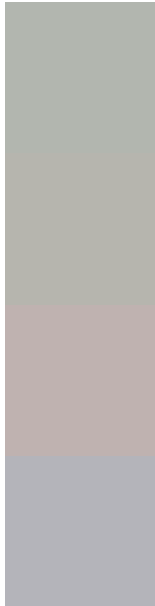
46.7196, 45.9366, 47.4786



Tritanopia

44.8018, 45.9142, 56.9531

Trichromacy



Original Color

42.8259, 46.0160, 47.1823

Protanomaly

43.4553, 46.0488, 46.6424

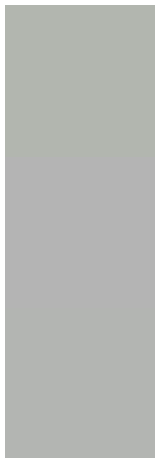
Deuteranomaly

45.2427, 46.0517, 47.5786

Tritanomaly

44.0066, 45.8910, 52.9928

Monochromacy



Original Color

42.8259, 46.0160, 47.1823

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.1502, 45.8458, 48.6943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8259, 46.0160, 47.1823 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(178, 182, 175)` looks like.

```
.text, #text, p{  
    color:rgb(178, 182, 175)  
}
```

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(178, 182, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 182, 175) }
```

Border

The CSS property to change the border of an element to XYZ 42.8259, 46.0160, 47.1823 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(178, 182, 175) }
```


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

```
.border{ border-color:rgb(178, 182, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 182, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 182, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 182, 175);  
box-shadow:4px 4px 4px 4px rgb(178, 182,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8259, 46.0160, 47.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 182, 175) }
```

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

```
.background{ background-color: rgb(178,  
182, 175) }
```

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