

Converting Colors

XYZ(42.6437, 48.4257, 28.7815)

Have a look what the booklet for
XYZ(42.6437, 48.4257, 28.7815)
contains.

XYZ(42.8560, 48.6259, 28.9568)	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(42.8560, 48.6259,
28.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBD84
RGB	187, 189, 132
RGB Percent	73%, 74%, 52%
CMY	0.2667, 0.2588, 0.4823
CMYK	0.01, 0.00, 0.30, 0.26
HSL	62°, 30%, 63%
HSV	62°, 30%, 74%
XYZ	42.8560, 48.6259, 28.9568
YIQ	181.9040, 17.1050, -18.1510

Conversions

Conversions Part 2

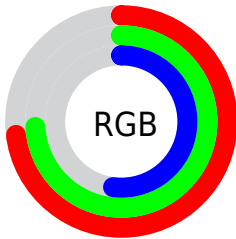
Format	Color
RYB	132, 189, 134
Decimal	12303748
CIELab	75.22, -9.77, 28.66
CIELCh	75, 30.278, 108.831
Yxy	48.6259, 0.3558, 0.4037
Android (android.graphics.Color)	4290493828 (0xFFBBBD84)
YUV	181.9040, -24.6027, 4.4692
Hunter-Lab	69.7323, -12.3291, 24.1920

Details

The XYZ color **42.8560, 48.6259, 28.9568** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.2699, 25.2462, 51.5825**, and the grayscale version is **44.5354, 46.8547, 51.0247**.

A 20% lighter version of the original color is **78.8236, 88.0831, 59.3017**, and **20.0000, 23.2041, 11.4074** is the 20% darker color. If you saturate the color by 10%, you get **41.5164, 48.0730, 22.7436**, and if you desaturate by 10%, it is **44.4332, 49.2773, 36.4062**.

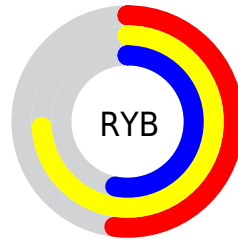
Distribution



Red (73%)

Green (74%)

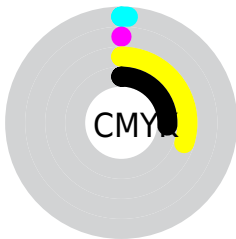
Blue (52%)



Red (52%)

Yellow (74%)

Blue (53%)

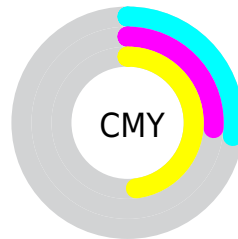


Cyan (1%)

Magenta (0%)

Yellow (30%)

Black (26%)



Cyan (27%)

Magenta (26%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8560, 48.6259, 28.9568 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 42.8560, 48.6259, 28.9568 by changing the saturation by 10% instead.

■ 42.8560, 48.6259,
28.9568

■ 42.8560, 48.6259,
28.9568

348.9508,
381.2677, 311.0656

■ 29.9662, 34.3228,
18.8028

■ 78.7506, 88.1356,
59.0498

■ 19.9609, 23.1417,
11.3525

■ 102.4861,
114.1110, 79.8259

■ 12.4747, 14.6982,
6.1873

■ 130.5674,
144.7459, 104.9799

■ 7.1423, 8.6078,
2.8887

163.3601,
180.4248, 134.9302

■ 3.5984, 4.4863,
1.0381

201.2295,
221.5320, 170.0954

■ 1.4775, 1.9491,
0.0000

244.5408,

■ 0.3105, 0.5777,

268.4520, 210.8940

0.0000

293.6594,
321.5691, 257.7445

■ 0.0000, 0.0000,
0.0000

■ 42.8560, 48.6259,
28.9568

■ 42.8560, 48.6259,
28.9568

■ 41.5164, 48.0730,
22.7436

■ 44.4332, 49.2773,
36.4062

■ 40.3980, 47.6070,
17.6969

■ 46.2560, 50.0253,
45.1504

■ 39.4881, 47.2245,
13.7447


■ 48.3366, 50.8766,
55.2480

■ 38.7715, 46.9193,
10.8057


■ 50.6851, 51.8351,
66.7530


■ 38.2305, 46.6845,
8.7877


■ 53.3115, 52.9048,
79.7167


 37.8443, 46.5118,
7.5814

 56.2247, 54.0894,
94.1875

 37.5749, 46.3861,
6.9730

 57.8989, 54.7784,
102.1294

 58.0672, 54.8651,
102.1373

 58.2362, 54.9523,
102.1452

Harmonies

Analogous

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



48.3166, 48.6259, 28.2552



42.8560, 48.6259, 28.9568



38.6369, 48.6259, 35.2594

Triad

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



42.8560, 48.6259, 28.9568



39.5392, 48.6259, 79.4612



57.5037, 48.6259, 59.0919

Complementary

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



42.8560, 48.6259, 28.9568



27.2699, 25.2462, 51.5825

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.



54.7299, 48.6259, 75.7332



42.8560, 48.6259, 28.9568



44.1800, 48.6259, 88.9675

Square

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



42.8560, 48.6259, 28.9568



36.8305, 48.6259, 63.4417



49.7503, 48.6259, 87.4809



57.0775, 48.6259, 43.6757

Rectangle

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



42.8560, 48.6259, 28.9568



36.9587, 48.6259, 42.6529



49.7503, 48.6259, 87.4809



56.9062, 48.6259, 64.7731

Sweetspot

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



42.8572, 48.6281, 28.9578



83.1970, 89.7367, 82.5841



33.6640, 29.5085, 25.7519



17.7813, 19.2525, 17.2289



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.



42.8572, 48.6281, 28.9578



75.1653, 86.4314, 44.4730



36.5831, 45.3937, 28.6642



10.2882, 11.1030, 10.1775



25.2943, 31.2156, 4.6921



1.0012, 1.2281, 0.1843

Inverse Universe

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



27.2699, 25.2462, 51.5825



42.9039, 38.0334, 91.3061



32.4197, 27.9011, 51.8236



9.0467, 9.2409, 11.9791



6.2498, 2.5079, 32.5476



0.2556, 0.1038, 1.2754

Previews

White Background



This preview shows how the XYZ color 42.8560, 48.6259, 28.9568 looks on a white background.

Color Contrast Check

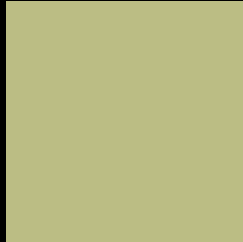
Large Text (above 18pt) WCAG AA × Fail

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 42.8560, 48.6259, 28.9568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

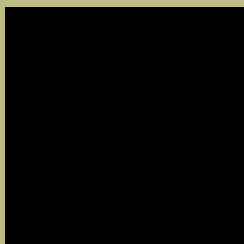
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

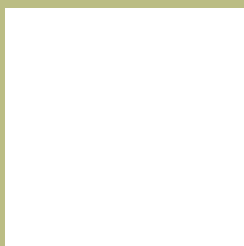
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8560, 48.6259, 28.9568

Background



This preview shows how black text looks on a background with the XYZ color 42.8560, 48.6259, 28.9568.



This preview shows how white text looks on a background with the XYZ color 42.8560, 48.6259,

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

42.8560, 48.6259, 28.9568

Protanopia

45.1976, 48.5890, 28.1155

Deuteranopia

49.2386, 48.2256, 29.2676



Tritanopia

48.8799, 48.5900, 58.4323

Trichromacy



Original Color

42.8560, 48.6259, 28.9568

Protanomaly

44.1613, 48.3586, 28.4793

Deuteranomaly

46.4896, 48.0066, 29.0062

Tritanomaly

46.3251, 48.4660, 45.9430

Monochromacy



Original Color

42.8560, 48.6259, 28.9568

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.8170, 47.5686, 41.9942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8560, 48.6259, 28.9568 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(187, 189, 132)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 132)  
}
```

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(187, 189, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 132) }
```

Border

The CSS property to change the border of an element to XYZ 42.8560, 48.6259, 28.9568 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(187, 189, 132) }
```


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

```
.border{ border-color:rgb(187, 189, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 189, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 189, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 189, 132);  
box-shadow:4px 4px 4px 4px rgb(187, 189,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8560, 48.6259, 28.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 132) }
```

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

```
.background{ background-color: rgb(187,  
189, 132) }
```

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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