

Converting Colors

XYZ(42.8183, 49.6053, 25.7281)

Have a look what the booklet for
XYZ(42.8183, 49.6053, 25.7281)
contains.

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Color

**XYZ(42.8560, 49.6692,
25.7407)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC07A
RGB	187, 192, 122
RGB Percent	73%, 75%, 48%
CMY	0.2667, 0.2470, 0.5216
CMYK	0.03, 0.00, 0.36, 0.25
HSL	64°, 36%, 62%
HSV	64°, 36%, 75%
XYZ	42.8560, 49.6692, 25.7407
YIQ	182.5250, 19.4900, -22.8300

Conversions

Conversions Part 2

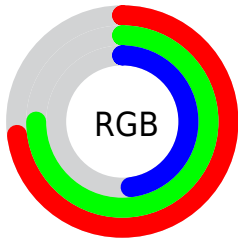
Format	Color
RYB	122, 192, 127
Decimal	12304506
CIELab	75.87, -12.57, 34.72
CIELCh	76, 36.927, 109.894
Yxy	49.6692, 0.3624, 0.4200
Android (android.graphics.Color)	4290494586 (0xFFBBC07A)
YUV	182.5250, -29.8388, 3.9246
Hunter-Lab	70.4764, -14.7896, 27.6785

Details

The XYZ color **42.8560, 49.6692, 25.7407** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.2282, 22.2381, 52.8348**, and the grayscale version is **44.9013, 47.2397, 51.4440**.

A 20% lighter version of the original color is **78.6135, 89.4630, 53.6822**, and **20.0752, 23.9197, 9.6898** is the 20% darker color. If you saturate the color by 10%, you get **41.4482, 49.0692, 20.0666**, and if you desaturate by 10%, it is **44.5045, 50.3693, 32.6550**.

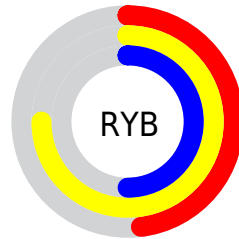
Distribution



Red (73%)

Green (75%)

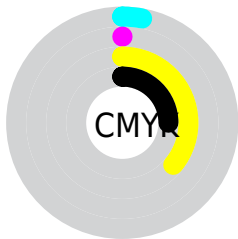
Blue (48%)



Red (48%)

Yellow (75%)

Blue (50%)

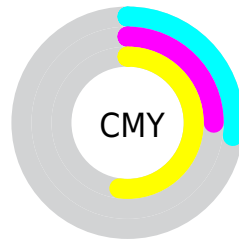


Cyan (3%)

Magenta (0%)

Yellow (36%)

Black (25%)



Cyan (27%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8560, 49.6692, 25.7407 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, 49.6692, 25.7407 by changing the saturation by 10% instead.


 42.8560, 49.6692,
25.7407


 42.8560, 49.6692,
25.7407

348.9508,
385.3709, 295.0717


 29.9662, 35.1506,
16.4057

 78.7506, 89.6846,
53.8353

 19.9609, 23.7789,
9.6543


 102.4861,
115.9501, 73.4320

 12.4747, 15.1697,
5.0677

 130.5674,
146.9002, 97.2863

 7.1423, 8.9386,
2.2276

163.3601,
182.9190, 125.8168

 3.5984, 4.7011,
0.6902

201.2295,
224.3911, 159.4421

 1.4775, 2.0730,
0.0000

244.5408,

 0.3105, 0.6494,

271.7009, 198.5807

0.0000

293.6594,
325.2327, 243.6510

■ 0.0000, 0.0000,
0.0000

■ 42.8560, 49.6692,
25.7407

■ 42.8560, 49.6692,
25.7407

■ 41.4482, 49.0692,
20.0666

■ 44.5045, 50.3693,
32.6550

■ 40.2636, 48.5571,
15.5562

■ 46.4029, 51.1681,
40.8736

■ 39.2879, 48.1290,
12.1296


■ 48.5642, 52.0723,
50.4599


■ 38.5039, 47.7779,
9.6955


■ 50.9996, 53.0865,
61.4724

■ 37.8913, 47.4957,
8.1478


■ 53.7194, 54.2150,
73.9660


 37.4238, 47.2719,
7.3472

 56.7336, 55.4615,
87.9928

 37.2746, 47.1993,
7.1458

 59.8245, 56.7391,
102.4064

 60.1847, 56.9248,
102.4232

 60.5482, 57.1121,
102.4403

Harmonies

Analogous

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



49.5649, 49.6692, 24.7359



42.8560, 49.6692, 25.7407



37.8107, 49.6692, 33.1903

Triad

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



42.8560, 49.6692, 25.7407



39.2015, 49.6692, 88.4776



61.4420, 49.6692, 60.9941

Complementary

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



42.8560, 49.6692, 25.7407



25.2282, 22.2381, 52.8348

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.



58.0485, 49.6692, 82.2919



42.8560, 49.6692, 25.7407



44.9292, 49.6692, 100.5210

Square

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



42.8560, 49.6692, 25.7407



35.8469, 49.6692, 68.0004



51.8474, 49.6692, 98.0171



60.7494, 49.6692, 42.2044

Rectangle

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



42.8560, 49.6692, 25.7407



35.8609, 49.6692, 42.0925



51.8474, 49.6692, 98.0171



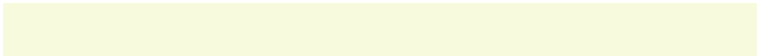
60.7296, 49.6692, 68.1544

Sweetspot

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



42.8572, 49.6714, 25.7417



86.0828, 93.5496, 82.9162



32.7991, 27.7057, 22.0320



18.3535, 20.0217, 17.2825



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



42.8572, 49.6714, 25.7417



75.5153, 89.0850, 38.0043



35.3757, 45.8146, 25.3916



10.8401, 11.7205, 10.7528



25.1082, 31.7726, 4.8094



1.1065, 1.3840, 0.2088

Inverse Universe

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



25.2282, 22.2381, 52.8348



38.7871, 31.9134, 94.4759



31.3082, 25.3725, 53.1193



9.5935, 9.7816, 12.6672



6.5467, 2.6354, 33.7202



0.3063, 0.1259, 1.4580

Previews

White Background



This preview shows how the XYZ color 42.8560, 49.6692, 25.7407 looks on a white background.

Color Contrast Check

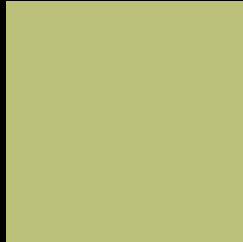
Large Text (above 18pt) WCAG AA × Fail

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, 49.6692, 25.7407 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

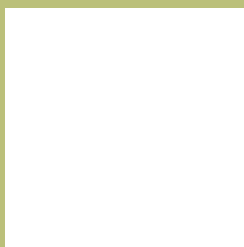
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8560, 49.6692, 25.7407

Background



This preview shows how black text looks on a background with the XYZ color 42.8560, 49.6692, 25.7407.



This preview shows how white text looks on a background with the XYZ color 42.8560, 49.6692,

25.7407.

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, 49.6692, 25.7407

Protanopia

45.7891, 49.5932, 24.9284

Deuteranopia

50.5622, 49.5682, 26.3047



Tritanopia

49.7765, 49.6340, 59.7801

Trichromacy



Original Color

42.8560, 49.6692, 25.7407

Protanomaly

44.6747, 49.6460, 25.3172

Deuteranomaly

47.6425, 49.5851, 26.1286

Tritanomaly

46.8069, 49.3575, 45.0902

Monochromacy



Original Color

42.8560, 49.6692, 25.7407

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.7591, 47.8814, 40.6539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8560, 49.6692, 25.7407 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, 192, 122)` looks like.

```
.text, #text, p{  
    color:rgb(187, 192, 122)  
}
```

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, 192, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 192, 122) }
```

Border

The CSS property to change the border of an element to XYZ 42.8560, 49.6692, 25.7407 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, 192, 122) }
```


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

```
.border{ border-color:rgb(187, 192, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 192, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 192, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 192, 122);  
box-shadow:4px 4px 4px 4px rgb(187, 192,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8560, 49.6692, 25.7407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 192, 122) }
```

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

```
.background{ background-color: rgb(187,  
192, 122) }
```

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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