

Converting Colors

XYZ(49.8639, 54.5822, 42.5563)

Have a look what the booklet for
XYZ(49.8639, 54.5822, 42.5563)
contains.

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Color

**XYZ(49.8658, 54.5826,
42.5576)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C5A3
RGB	198, 197, 163
RGB Percent	78%, 77%, 64%
CMY	0.2235, 0.2274, 0.3608
CMYK	0.00, 0.01, 0.18, 0.22
HSL	58°, 23%, 71%
HSV	58°, 18%, 78%
XYZ	49.8658, 54.5826, 42.5576
YIQ	193.4230, 11.5100, -10.3620

Conversions

Conversions Part 2

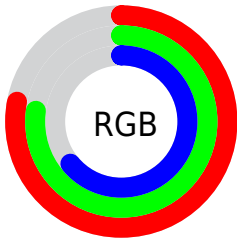
Format	Color
RYB	164, 198, 163
Decimal	13026723
CIELab	78.80, -5.36, 17.22
CIELCh	79, 18.033, 107.278
Yxy	54.5826, 0.3392, 0.3713
Android (android.graphics.Color)	4291216803 (0xFFC6C5A3)
YUV	193.4230, -14.9985, 4.0140
Hunter-Lab	73.8800, -8.8104, 17.5628

Details

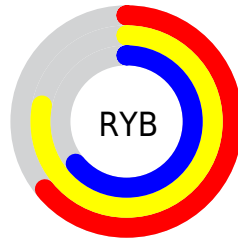
The XYZ color **49.8658, 54.5826, 42.5576** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.5727, 38.4139, 58.8080**, and the grayscale version is **51.0196, 53.6765, 58.4538**.

A 20% lighter version of the original color is **89.3367, 97.2056, 80.3837**, and **24.1933, 26.7219, 18.9216** is the 20% darker color. If you saturate the color by 10%, you get **48.1018, 53.6746, 33.8917**, and if you desaturate by 10%, it is **51.9110, 55.6075, 52.6889**.

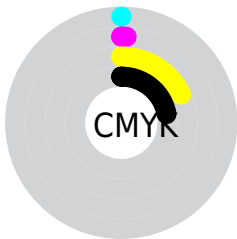
Distribution



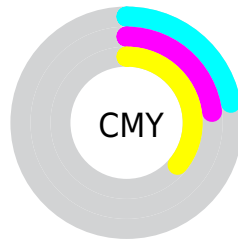
- Red (78%)
- Green (77%)
- Blue (64%)



- Red (64%)
- Yellow (78%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (22%)



- Cyan (22%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8658, 54.5826, 42.5576 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 49.8658, 54.5826, 42.5576 by changing the saturation by 10% instead.

■ 49.8658, 54.5826,
42.5576

■ 49.8658, 54.5826,
42.5576

376.6016,
404.3278, 372.6568

■ 35.5241, 39.0676,
29.2093

■ 89.1690, 96.9291,
80.3220

■ 24.2353, 26.8123,
18.9923

■ 114.8613,
124.5295, 105.5752

■ 15.6339, 17.4323,
11.4880

145.0678,
156.9271, 135.6339

■ 9.3547, 10.5432,
6.2778

180.1539,
194.5064, 170.9164

■ 5.0322, 5.7606,
2.9432

220.4850,
237.6517, 211.8415

■ 2.3011, 2.7001,
1.0657

266.4264,

■ 0.7952, 0.9772,

286.7474, 258.8275

0.0000

318.3435,
342.1780, 312.2931

■ 0.0000, 0.0000,
0.0000

■ 49.8658, 54.5826,
42.5576

■ 49.8658, 54.5826,
42.5576

■ 48.1018, 53.6746,
33.8917

■ 51.9110, 55.6075,
52.6889

■ 46.6017, 52.8711,
26.6199

■ 54.2451, 56.7470,
64.3456

■ 45.3532, 52.1689,
20.6700

■ 56.8808, 58.0078,
77.5886

■ 44.3409, 51.5620,
15.9622

■ 59.8290, 59.3944,
92.4744

■ 43.5481, 51.0437,
12.4079

■ 61.9517, 60.4516,
103.0109

■ 42.9558, 50.6063,
9.9067

■ 62.0823, 60.7127,
103.0544

■ 42.5417, 50.2410,
8.3415

■ 62.2133, 60.9747,
103.0980

■ 42.2735, 49.9348,
7.5424

■ 62.3448, 61.2377,
103.1419

■ 42.2194, 49.8670,
7.4001

■ 62.4768, 61.5017,
103.1859

Harmonies

Analogous

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



53.4064, 54.5826, 42.2345



49.8658, 54.5826, 42.5576



46.9951, 54.5826, 47.0599

Triad

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



49.8658, 54.5826, 42.5576



47.3575, 54.5826, 75.0850



58.8714, 54.5826, 63.8691

Complementary

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



49.8658, 54.5826, 42.5576



38.5727, 38.4139, 58.8080

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.



57.0903, 54.5826, 73.8003



49.8658, 54.5826, 42.5576



50.3812, 54.5826, 80.7577

Square

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



49.8658, 54.5826, 42.5576



45.5932, 54.5826, 65.4669



53.9459, 54.5826, 80.2622



58.7178, 54.5826, 53.7783

Rectangle

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



49.8658, 54.5826, 42.5576



45.7982, 54.5826, 52.1524



53.9459, 54.5826, 80.2622



58.4758, 54.5826, 67.3575

Sweetspot

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



49.8672, 54.5850, 42.5588



92.9490, 98.9746, 98.4065



43.1024, 40.8872, 40.8220



19.8340, 21.1547, 20.7595



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.8672, 54.5850, 42.5588



87.1116, 96.0502, 69.4846



46.0182, 52.9375, 42.4436



11.4970, 12.3632, 11.3431



27.4674, 32.4520, 4.8162



1.3089, 1.5533, 0.2308

Inverse Universe

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



38.5727, 38.4139, 58.8080



63.6082, 62.3992, 103.2995



41.9584, 39.8958, 58.9156



10.0805, 10.3350, 13.3810



6.6792, 2.7523, 34.9236



0.3249, 0.1476, 1.6565

Previews

White Background



This preview shows how the XYZ color 49.8658, 54.5826, 42.5576 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 49.8658, 54.5826, 42.5576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

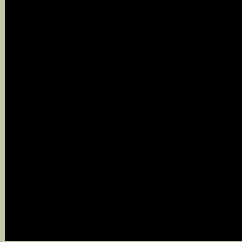
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

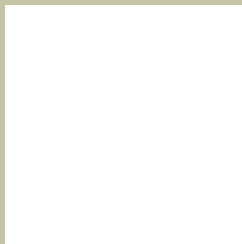
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8658, 54.5826, 42.5576

Background



This preview shows how black text looks on a background with the XYZ color 49.8658, 54.5826, 42.5576.



This preview shows how white text looks on a background with the XYZ color 49.8658, 54.5826,

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

49.8658, 54.5826, 42.5576

Protanopia

51.4903, 54.7607, 42.0385

Deuteranopia

55.5152, 54.5303, 43.1968



Tritanopia

54.6732, 54.5552, 66.0411

Trichromacy



Original Color

49.8658, 54.5826, 42.5576

Protanomaly

50.8901, 54.7850, 42.0748

Deuteranomaly

53.3560, 54.3890, 42.8079

Tritanomaly

52.7213, 54.4142, 56.4395

Monochromacy



Original Color

49.8658, 54.5826, 42.5576

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2410, 53.5631, 51.9467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8658, 54.5826, 42.5576 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(198, 197, 163)` looks like.

```
.text, #text, p{  
    color:rgb(198, 197, 163)  
}
```

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(198, 197, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 197, 163) }
```

Border

The CSS property to change the border of an element to XYZ 49.8658, 54.5826, 42.5576 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(198, 197, 163) }
```


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

```
.border{ border-color:rgb(198, 197, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 197, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 197, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 197, 163);  
box-shadow:4px 4px 4px 4px rgb(198, 197,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8658, 54.5826, 42.5576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 197, 163) }
```

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

```
.background{ background-color: rgb(198,  
197, 163) }
```

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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