

Converting Colors

XYZ(42.1216, 49.1926, 46.8491)

Have a look what the booklet for
XYZ(42.1216, 49.1926, 46.8491)
contains.

XYZ(42.1298, 49.1564, 46.8028)	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(42.1298, 49.1564,
46.8028)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C1AD
RGB	165, 193, 173
RGB Percent	65%, 76%, 68%
CMY	0.3529, 0.2431, 0.3216
CMYK	0.15, 0.00, 0.10, 0.24
HSL	137°, 18%, 70%
HSV	137°, 15%, 76%
XYZ	42.1298, 49.1564, 46.8028
YIQ	182.3480, -10.2680, -12.1560

Conversions

Conversions Part 2

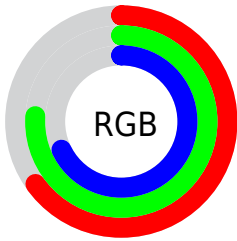
Format	Color
RYB	165, 187, 193
Decimal	10863021
CIELab	75.55, -13.38, 6.90
CIELCh	76, 15.052, 152.701
Yxy	49.1564, 0.3051, 0.3560
Android (android.graphics.Color)	4289053101 (0xFFA5C1AD)
YUV	182.3480, -4.6086, -15.2142
Hunter-Lab	70.1116, -15.4354, 9.4993

Details

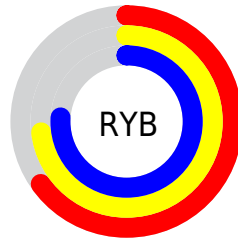
The XYZ color **42.1298, 49.1564, 46.8028** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2061, 41.7516, 51.6301**, and the grayscale version is **44.6826, 47.0095, 51.1934**.

A 20% lighter version of the original color is **77.3945, 88.5684, 86.4151**, and **19.4939, 23.3564, 21.5700** is the 20% darker color. If you saturate the color by 10%, you get **37.1485, 46.7361, 39.9619**, and if you desaturate by 10%, it is **47.8573, 51.9482, 54.3994**.

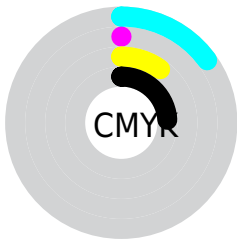
Distribution



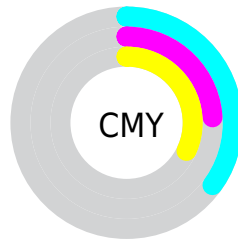
- Red (65%)
- Green (76%)
- Blue (68%)



- Red (65%)
- Yellow (73%)
- Blue (76%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)



- Cyan (35%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1298, 49.1564, 46.8028 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 42.1298, 49.1564, 46.8028 by changing the saturation by 10% instead.

■ 42.1298, 49.1564,
46.8028

■ 42.1298, 49.1564,
46.8028

346.0032,
383.3577, 390.3978

■ 29.3945, 34.7436,
32.5266

■ 77.6600, 88.9237,
86.7661

■ 19.5252, 23.4654,
21.4959

■ 101.1855,
115.0469, 113.2902

■ 12.1567, 14.9375,
13.2922

129.0386,
145.8425, 144.7341

■ 6.9234, 8.7756,
7.4970

161.5844,
181.6946, 181.5161

■ 3.4602, 4.5951,
3.6917

199.1885,
222.9878, 224.0550

■ 1.4015, 2.0117,
1.4578

242.2160,

■ 0.2573, 0.6143,

270.1065, 272.7692

0.1862

291.0325,
323.4350, 328.0773

■ 0.0000, 0.0000,
0.0000

■ 42.1298, 49.1564,
46.8028

■ 42.1298, 49.1564,
46.8028

■ 37.1485, 46.7361,
39.9619

■ 47.8573, 51.9482,
54.3994

■ 32.8782, 44.6655,
33.8501

■ 54.3564, 55.1201,
62.7705

■ 29.2867, 42.9300,
28.4444

■ 61.6560, 58.6878,
71.9383

■ 26.3379, 41.5114,
23.7190

■ 69.7825, 62.6646,
81.9234

■ 23.9920, 40.3897,
19.6467

■ 76.3279, 65.8087,
92.6314

■ 22.2047, 39.5428,
16.1984

■ 78.3609, 66.6219,
103.3370

■ 20.9252, 38.9451,
13.3426

■ 20.0928, 38.5659,
11.0453

■ 19.7639, 38.4190,
10.0061

Harmonies

Analogous

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



43.8923, 49.1564, 41.6440



42.1298, 49.1564, 46.8028



41.5819, 49.1564, 54.2477

Triad

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



42.1298, 49.1564, 46.8028



46.9740, 49.1564, 70.3215



51.3669, 49.1564, 45.6694

Complementary

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



42.1298, 49.1564, 46.8028



44.2061, 41.7516, 51.6301

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.



52.2684, 49.1564, 52.8047



42.1298, 49.1564, 46.8028



49.6701, 49.1564, 67.4700

Square

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



42.1298, 49.1564, 46.8028



44.3122, 49.1564, 68.3154



51.6357, 49.1564, 60.8574



49.2170, 49.1564, 41.0366

Rectangle

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



42.1298, 49.1564, 46.8028



41.9608, 49.1564, 59.6523



51.6357, 49.1564, 60.8574



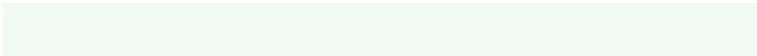
51.8297, 49.1564, 47.8285

Sweetspot

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



42.1312, 49.1585, 46.8039



86.1985, 93.2741, 98.0645



45.8870, 51.1815, 43.0583



18.3141, 19.9234, 20.8051



92.9021, 97.7402, 106.4391



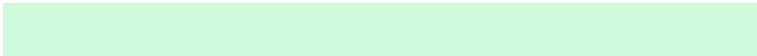
19.4759, 20.4902, 22.3138

Same Dimension

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



42.1312, 49.1585, 46.8039



72.8626, 86.7783, 80.3106



43.5511, 49.7265, 54.2811



10.0601, 11.3051, 11.3199



13.1749, 25.5640, 6.8141



0.5999, 1.1168, 0.4559

Inverse Universe

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



44.2061, 41.7516, 51.6301



77.2003, 71.2926, 90.3983



42.8060, 41.1916, 44.2569



10.3706, 10.1969, 12.0423



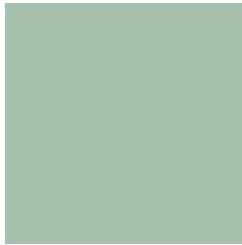
17.7078, 8.7729, 16.9053



0.7936, 0.3904, 0.8803

Previews

White Background



This preview shows how the XYZ color 42.1298, 49.1564, 46.8028 looks on a white background.

Color Contrast Check

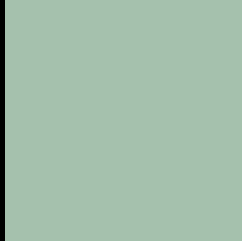
Large Text (above 18pt) WCAG AA × Fail

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 42.1298, 49.1564, 46.8028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

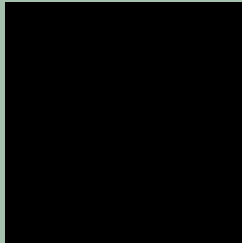
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1298, 49.1564, 46.8028

Background



This preview shows how black text looks on a background with the XYZ color 42.1298, 49.1564, 46.8028.



This preview shows how white text looks on a background with the XYZ color 42.1298, 49.1564,

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

42.1298, 49.1564, 46.8028

Protanopia

46.5027, 48.9000, 44.5238

Deuteranopia

49.6887, 48.6402, 47.8439



Tritanopia

45.6742, 49.3009, 64.2355

Trichromacy



Original Color

42.1298, 49.1564, 46.8028

Protanomaly

44.7674, 48.9360, 45.1163

Deuteranomaly

46.6166, 48.5826, 47.4779

Tritanomaly

44.1875, 49.0020, 57.5815

Monochromacy



Original Color

42.1298, 49.1564, 46.8028

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.6001, 47.6026, 49.5381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1298, 49.1564, 46.8028 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(165, 193, 173)` looks like.

```
.text, #text, p{  
    color:rgb(165, 193, 173)  
}
```

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(165, 193, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 193, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.1298, 49.1564, 46.8028 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(165, 193, 173) }
```


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

```
.border{ border-color:rgb(165, 193, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 193, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 193, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 193, 173);  
box-shadow:4px 4px 4px 4px rgb(165, 193,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1298, 49.1564, 46.8028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 193, 173) }
```

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

```
.background{ background-color: rgb(165,  
193, 173) }
```

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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