

Converting Colors

XYZ(42.8506, 48.1772, 49.2648)

Have a look what the booklet for
XYZ(42.8506, 48.1772, 49.2648)
contains.

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Color

**XYZ(42.8110, 48.1556,
49.1581)**

Conversions

Conversions Part 1

Format	Color
Hex	AABDB2
RGB	170, 189, 178
RGB Percent	67%, 74%, 70%
CMY	0.3333, 0.2588, 0.3020
CMYK	0.10, 0.00, 0.06, 0.26
HSL	145°, 13%, 70%
HSV	145°, 10%, 74%
XYZ	42.8110, 48.1556, 49.1581
YIQ	182.0650, -7.7930, -7.4490

Conversions

Conversions Part 2

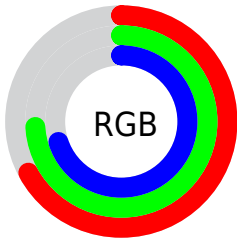
Format	Color
RYB	170, 183, 189
Decimal	11189682
CIELab	74.92, -8.64, 3.33
CIELCh	75, 9.257, 158.887
Yxy	48.1556, 0.3055, 0.3437
Android (android.graphics.Color)	4289379762 (0xFFAABDB2)
YUV	182.0650, -2.0040, -10.5810
Hunter-Lab	69.3942, -11.3189, 6.5756

Details

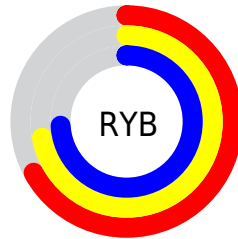
The XYZ color **42.8110, 48.1556, 49.1581** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7032, 42.9056, 49.6964**, and the grayscale version is **44.5135, 46.8317, 50.9997**.

A 20% lighter version of the original color is **78.5550, 87.2529, 90.5431**, and **19.9770, 22.9405, 22.7771** is the 20% darker color. If you saturate the color by 10%, you get **37.9601, 45.7782, 43.4228**, and if you desaturate by 10%, it is **48.3397, 50.8750, 55.3848**.

Distribution



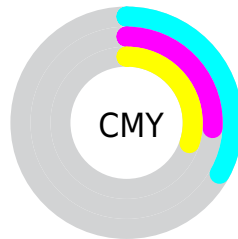
- Red (67%)
- Green (74%)
- Blue (70%)



- Red (67%)
- Yellow (72%)
- Blue (74%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8110, 48.1556, 49.1581 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 42.8110, 48.1556, 49.1581 by changing the saturation by 10% instead.

■ 42.8110, 48.1556,
49.1581

■ 42.8110, 48.1556,
49.1581

348.7686,
379.4086, 400.0047

■ 29.9307, 33.9501,
34.3784

■ 78.6831, 87.4360,
90.3096

■ 19.9338, 22.8553,
22.9048

102.4056,
113.2798, 117.5186

■ 12.4549, 14.4867,
14.3186

130.4729,
143.7717, 149.7077

■ 7.1287, 8.4599,
8.2013

163.2503,
179.2963, 187.2955

■ 3.5898, 4.3906,
4.1344

201.1032,
220.2379, 230.7006

■ 1.4728, 1.8944,
1.6994

244.3970,

■ 0.3072, 0.5450,

266.9808, 280.3415

0.3603

293.4971,
319.9096, 336.6367

■ 0.0000, 0.0000,
0.0000

■ 42.8110, 48.1556,
49.1581

■ 42.8110, 48.1556,
49.1581

■ 37.9601, 45.7782,
43.4228

■ 48.3397, 50.8750,
55.3848

■ 33.7561, 43.7229,
38.1638

■ 54.5675, 53.9432,
62.1111

■ 30.1713, 41.9773,
33.3697

■ 61.5200, 57.3743,
69.3491

■ 27.1747, 40.5255,
29.0278

■ 69.2200, 61.1800,
77.1096

■ 24.7324, 39.3503,
25.1244

■ 74.1062, 63.5242,
85.2353

■ 22.8068, 38.4326,
21.6454

■ 75.7163, 64.1682,
93.7136

■ 21.3553, 37.7508,
18.5756

■ 77.4249, 64.8516,
102.7112

■ 20.3281, 37.2794,
15.8990

■ 77.4885, 64.8771,
103.0462

■ 19.6307, 36.9699,
13.6079

Harmonies

Analogous

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



43.7644, 48.1556, 45.5303



42.8110, 48.1556, 49.1581



42.6402, 48.1556, 53.8814

Triad

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



42.8110, 48.1556, 49.1581



46.2734, 48.1556, 62.1563



48.3417, 48.1556, 46.8154

Complementary

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



42.8110, 48.1556, 49.1581



43.7032, 42.9056, 49.6964

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.



49.0502, 48.1556, 51.0113



42.8110, 48.1556, 49.1581



47.8369, 48.1556, 60.0008

Square

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



42.8110, 48.1556, 49.1581



44.6121, 48.1556, 61.5846



48.8632, 48.1556, 55.8508



46.9487, 48.1556, 44.2367

Rectangle

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



42.8110, 48.1556, 49.1581



42.9890, 48.1556, 57.0497



48.8632, 48.1556, 55.8508



48.6694, 48.1556, 48.0728

Sweetspot

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



42.8123, 48.1576, 49.1592



83.4791, 89.5909, 95.7584



44.5306, 49.1336, 45.1674



17.7766, 19.1800, 20.3964



90.7827, 95.5105, 104.0109



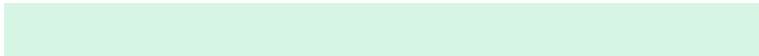
18.6292, 19.5994, 21.3438

Same Dimension

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



42.8123, 48.1576, 49.1592



74.7156, 85.2851, 85.7708



43.7911, 48.5491, 54.3131



9.5709, 10.7145, 10.9900



13.2439, 24.8878, 9.3471



0.5515, 0.9880, 0.5384

Inverse Universe

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



43.7032, 42.9056, 49.6964



76.6220, 74.0444, 86.9201



42.7688, 42.5318, 44.7762



9.7555, 9.6265, 11.1013



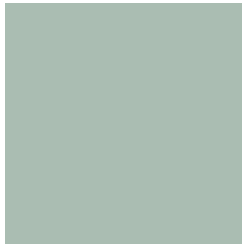
16.0319, 8.0439, 10.7276



0.6600, 0.3279, 0.5887

Previews

White Background



This preview shows how the XYZ color 42.8110, 48.1556, 49.1581 looks on a white background.

Color Contrast Check

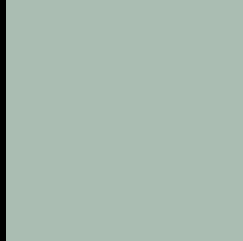
Large Text (above 18pt) WCAG AA × Fail

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 42.8110, 48.1556, 49.1581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

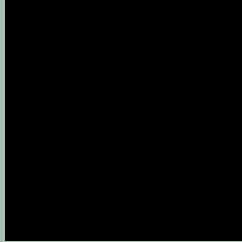
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8110, 48.1556, 49.1581

Background



This preview shows how black text looks on a background with the XYZ color 42.8110, 48.1556, 49.1581.

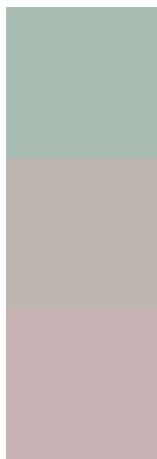


This preview shows how white text looks on a background with the XYZ color 42.8110, 48.1556,

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

42.8110, 48.1556, 49.1581

Protanopia

45.9066, 47.9093, 47.3853

Deuteranopia

48.7872, 47.8326, 49.8413



Tritanopia

45.4398, 48.2866, 61.5689

Trichromacy



Original Color

42.8110, 48.1556, 49.1581

Protanomaly

44.7139, 47.8998, 47.9632

Deuteranomaly

46.3505, 47.7869, 49.4287

Tritanomaly

44.5183, 48.2307, 56.8323

Monochromacy



Original Color

42.8110, 48.1556, 49.1581

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.0495, 47.4991, 50.5626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8110, 48.1556, 49.1581 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(170, 189, 178)` looks like.

```
.text, #text, p{  
    color:rgb(170, 189, 178)  
}
```

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(170, 189, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 189, 178) }
```

Border

The CSS property to change the border of an element to XYZ 42.8110, 48.1556, 49.1581 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(170, 189, 178) }
```


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

```
.border{ border-color:rgb(170, 189, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 189, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 189, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 189, 178);  
box-shadow:4px 4px 4px 4px rgb(170, 189,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8110, 48.1556, 49.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 189, 178) }
```

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

```
.background{ background-color: rgb(170,  
189, 178) }
```

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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