

Converting Colors

XYZ(42.8836, 58.8069, 50.2167)

Have a look what the booklet for
XYZ(42.8836, 58.8069, 50.2167)
contains.

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Color

**XYZ(42.8409, 58.7842,
50.1628)**

Conversions

Conversions Part 1

Format	Color
Hex	85DBB0
RGB	133, 219, 176
RGB Percent	52%, 86%, 69%
CMY	0.4784, 0.1412, 0.3098
CMYK	0.39, 0.00, 0.20, 0.14
HSL	150°, 54%, 69%
HSV	150°, 39%, 86%
XYZ	42.8409, 58.7842, 50.1628
YIQ	188.3840, -37.4530, -31.6050

Conversions

Conversions Part 2

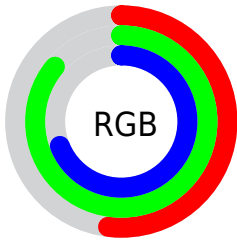
Format	Color
RYB	133, 190, 219
Decimal	8772528
CIELab	81.17, -35.49, 13.07
CIELCh	81, 37.817, 159.778
Yxy	58.7842, 0.2822, 0.3873
Android (android.graphics.Color)	4286962608 (0xFF85DBB0)
YUV	188.3840, -6.1053, -48.5718
Hunter-Lab	76.6709, -34.4347, 14.8784

Details

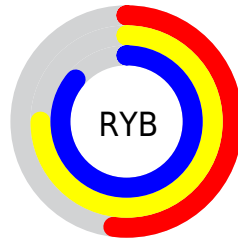
The XYZ color **42.8409, 58.7842, 50.1628** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.4395, 34.9712, 45.4320**, and the grayscale version is **48.0686, 50.5719, 55.0728**.

A 20% lighter version of the original color is **71.3118, 88.1650, 89.6030**, and **19.9925, 29.6007, 23.3987** is the 20% darker color. If you saturate the color by 10%, you get **38.6972, 56.7698, 44.5399**, and if you desaturate by 10%, it is **47.7961, 61.2100, 56.2826**.

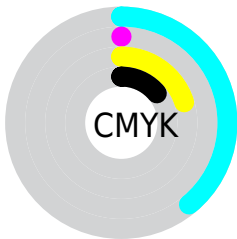
Distribution



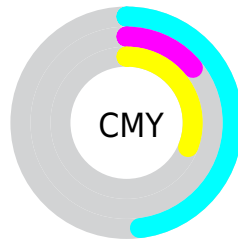
- Red (52%)
- Green (86%)
- Blue (69%)



- Red (52%)
- Yellow (75%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)





- Cyan (48%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8409, 58.7842, 50.1628 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 42.8409, 58.7842, 50.1628 by changing the saturation by 10% instead.


 42.8409, 58.7842,
50.1628


 42.8409, 58.7842,
50.1628


348.8897,
420.1017, 404.0555


 29.9543, 42.4394,
35.1707


 78.7279, 103.0640,
91.8148

 19.9518, 29.4455,
23.5098


 102.4590,
131.7677, 119.3118

 12.4681, 19.4181,
14.7615


 130.5357,
165.3600, 151.8142

 7.1378, 11.9728,
8.5074

163.3233,
204.2250, 189.7405

 3.5955, 6.7251,
4.3289

201.1871,
248.7474, 233.5092

 1.4759, 3.2908,
1.8075

244.4925,

 0.3094, 1.2854,

299.3113, 283.5389

0.4329

293.6049,
356.3013, 340.2482

■ 0.0000, 0.1298,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8409, 58.7842,
50.1628

■ 42.8409, 58.7842,
50.1628

■ 38.6972, 56.7698,
44.5399

■ 47.7961, 61.2100,
56.2826

■ 35.3129, 55.1355,
39.3968

■ 53.6011, 64.0620,
62.9075


■ 32.6373, 53.8569,
34.7215


■ 60.2977, 67.3630,
70.0509


■ 30.6110, 52.9036,
30.4995


■ 67.9233, 71.1322,
77.7242


 29.1640, 52.2399,
26.7155


 76.5131, 75.3875,
85.9384

 28.1834, 51.8078,
23.3516

 82.5554, 78.3183,
94.5383

 28.1198, 51.7801,
23.1215

 84.2474, 78.9951,
103.4486

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



46.7385, 58.7842, 36.1405



42.8409, 58.7842, 50.1628



42.2463, 58.7842, 71.6523

Triad

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



42.8409, 58.7842, 50.1628



58.4823, 58.7842, 116.9236



68.3291, 58.7842, 40.0874

Complementary

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



42.8409, 58.7842, 50.1628



45.4395, 34.9712, 45.4320

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.



72.1528, 58.7842, 56.9240



42.8409, 58.7842, 50.1628



66.1254, 58.7842, 103.4280

Square

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



42.8409, 58.7842, 50.1628



50.8030, 58.7842, 113.8985



71.3106, 58.7842, 80.1870



61.2688, 58.7842, 31.3417

Rectangle

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



42.8409, 58.7842, 50.1628



43.7396, 58.7842, 88.0343



71.3106, 58.7842, 80.1870



70.0643, 58.7842, 44.8037

Sweetspot

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



42.8425, 58.7866, 50.1641



82.3082, 93.7047, 95.9529



47.7975, 61.7572, 31.5923



17.3453, 19.9225, 20.2504



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.



42.8425, 58.7866, 50.1641



55.6344, 80.6268, 64.3033



47.6046, 60.6915, 75.2412



13.1567, 14.7143, 15.2880



16.7283, 30.7240, 14.0007



1.1272, 2.0078, 1.1361

Inverse Universe

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



45.4395, 34.9712, 45.4320



59.7840, 42.5735, 56.7420



41.9361, 33.5698, 26.9833



13.3262, 13.1596, 14.9791



19.0304, 9.6132, 9.8059



1.2764, 0.6402, 0.8643

Previews

White Background



This preview shows how the XYZ color 42.8409, 58.7842, 50.1628 looks on a white background.

Color Contrast Check

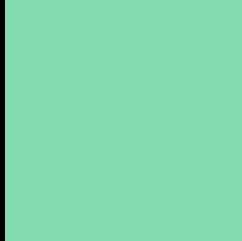
Large Text (above 18pt) WCAG AA × Fail

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 42.8409, 58.7842, 50.1628 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

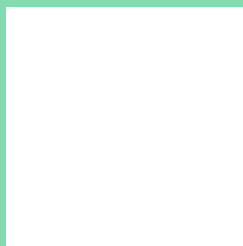
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8409, 58.7842, 50.1628

Background



This preview shows how black text looks on a background with the XYZ color 42.8409, 58.7842, 50.1628.



This preview shows how white text looks on a background with the XYZ color 42.8409, 58.7842,

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

42.8409, 58.7842, 50.1628

Protanopia

54.7807, 58.0956, 44.8855

Deuteranopia

59.0890, 57.8070, 51.7596



Tritanopia

49.3634, 58.7639, 82.8696

Trichromacy



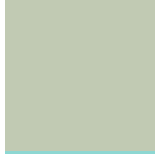
Original Color

42.8409, 58.7842, 50.1628



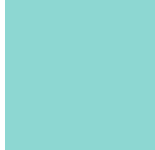
Protanomaly

49.0970, 57.5952, 46.5595



Deuteranomaly

51.2495, 56.8332, 50.9166



Tritanomaly

46.9178, 58.9167, 69.8720

Monochromacy



Original Color

42.8409, 58.7842, 50.1628



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.2236, 52.6324, 53.1229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8409, 58.7842, 50.1628 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(133, 219, 176)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 176)  
}
```

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(133, 219, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.8409, 58.7842, 50.1628 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(133, 219, 176) }
```


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

```
.border{ border-color:rgb(133, 219, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 219, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 219, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 219, 176);  
box-shadow:4px 4px 4px 4px rgb(133, 219,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8409, 58.7842, 50.1628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 176) }
```

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

```
.background{ background-color: rgb(133,  
219, 176) }
```

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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