

Converting Colors

XYZ(35.4723, 50.8311, 49.2960)

Have a look what the booklet for
XYZ(35.4723, 50.8311, 49.2960)
contains.

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Color

**XYZ(35.5287, 50.8827,
49.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	62D0B1
RGB	98, 208, 177
RGB Percent	38%, 82%, 69%
CMY	0.6157, 0.1843, 0.3059
CMYK	0.53, 0.00, 0.15, 0.18
HSL	163°, 54%, 60%
HSV	163°, 53%, 82%
XYZ	35.5287, 50.8827, 49.5438
YIQ	171.5760, -55.6090, -32.9610

Conversions

Conversions Part 2

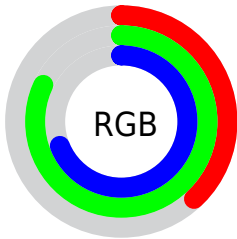
Format	Color
RYB	98, 162, 208
Decimal	6475953
CIELab	76.61, -38.99, 5.84
CIELCh	77, 39.429, 171.483
Yxy	50.8827, 0.2613, 0.3743
Android (android.graphics.Color)	4284666033 (0xFF62D0B1)
YUV	171.5760, 2.6740, -64.5262
Hunter-Lab	71.3321, -35.9249, 8.7525

Details

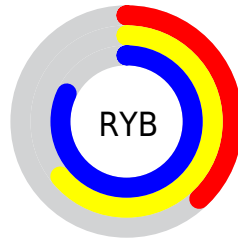
The XYZ color **35.5287, 50.8827, 49.5438** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.3443, 23.7316, 23.5413**, and the grayscale version is **39.0068, 41.0382, 44.6906**.

A 20% lighter version of the original color is **64.1783, 84.4711, 90.0128**, and **15.6250, 24.5448, 22.9829** is the 20% darker color. If you saturate the color by 10%, you get **32.9977, 49.6453, 46.4412**, and if you desaturate by 10%, it is **38.6707, 52.4348, 52.8083**.

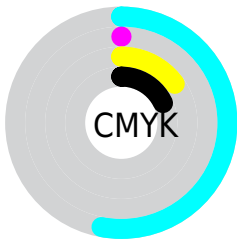
Distribution



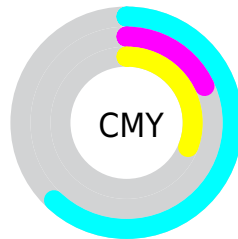
- Red (38%)
- Green (82%)
- Blue (69%)



- Red (38%)
- Yellow (64%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5287, 50.8827, 49.5438 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 35.5287, 50.8827, 49.5438 by changing the saturation by 10% instead.


 35.5287, 50.8827,
49.5438


 35.5287, 50.8827,
49.5438


318.3632,
390.1079, 401.5631


 24.2388, 36.1153,
34.6824


 67.6326, 91.4814,
90.8879


 15.6366, 24.5232,
23.1367


 89.1774, 118.0814,
118.2077

 9.3566, 15.7222,
14.4883


 114.8713,
149.3944, 150.5174

 5.0334, 9.3278,
8.3184

 145.0795,
185.8047, 188.2355

 2.3019, 4.9556,
4.2087

180.1674,
227.6969, 231.7806

 0.7956, 2.2212,
1.7405

220.5004,

 0.0000, 0.7315,

275.4552, 281.5712

0.3883

266.4439,
329.4641, 338.0258

■ 0.0000, 0.0000,
0.0000

■ 35.5287, 50.8827,
49.5438

■ 35.5287, 50.8827,
49.5438

■ 32.9977, 49.6453,
46.4412

■ 38.6707, 52.4348,
52.8083

■ 31.0270, 48.6926,
43.4931

■ 42.4610, 54.3168,
56.2347

■ 29.5646, 47.9990,
40.6965

■ 46.9389, 56.5504,
59.8275

■ 28.5461, 47.5316,
38.0469

■ 52.1390, 59.1533,
63.5899

■ 28.0120, 47.2956,
36.2460

■ 58.0940, 62.1422,
67.5249

■ 64.8342, 65.5329,
71.6354

■ 72.3883, 69.3401,
75.9242

■ 77.2377, 71.7498,
80.2280

■ 78.0463, 72.0733,
84.4859

Harmonies

Analogous

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



37.9936, 50.8827, 33.5721



35.5287, 50.8827, 49.5438



36.2151, 50.8827, 71.8345

Triad

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



35.5287, 50.8827, 49.5438



53.8032, 50.8827, 103.0429



57.8474, 50.8827, 29.0941

Complementary

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



35.5287, 50.8827, 49.5438



34.3443, 23.7316, 23.5413

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.



62.9614, 50.8827, 41.6895



35.5287, 50.8827, 49.5438



60.4646, 50.8827, 85.0943

Square

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



35.5287, 50.8827, 49.5438



46.2710, 50.8827, 106.7138



63.9654, 50.8827, 61.7060



50.5161, 50.8827, 23.9176

Rectangle

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



35.5287, 50.8827, 49.5438



38.4011, 50.8827, 87.2798



63.9654, 50.8827, 61.7060



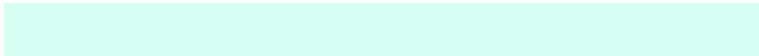
59.9128, 50.8827, 32.4198

Sweetspot

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



35.5301, 50.8847, 49.5450



79.8034, 92.3476, 98.8101



33.8407, 50.6758, 19.5540



16.7104, 19.5805, 20.8827



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.



35.5301, 50.8847, 49.5450



52.0105, 78.5576, 73.2140



33.5989, 41.5029, 65.9168



12.0103, 13.3479, 14.4109



17.5011, 29.4934, 22.8169



1.0116, 1.6623, 1.4496

Inverse Universe

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



34.3443, 23.7316, 23.5413



49.9800, 31.2103, 28.0568



35.1577, 28.1714, 15.1408



11.9437, 11.8622, 12.9796



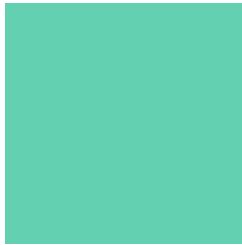
16.7343, 8.5665, 3.5068



0.9698, 0.4926, 0.3759

Previews

White Background



This preview shows how the XYZ color 35.5287, 50.8827, 49.5438 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 35.5287, 50.8827, 49.5438 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

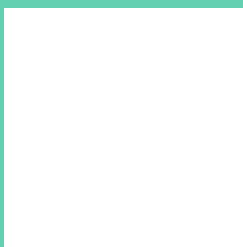
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5287, 50.8827, 49.5438

Background



This preview shows how black text looks on a background with the XYZ color 35.5287, 50.8827, 49.5438.

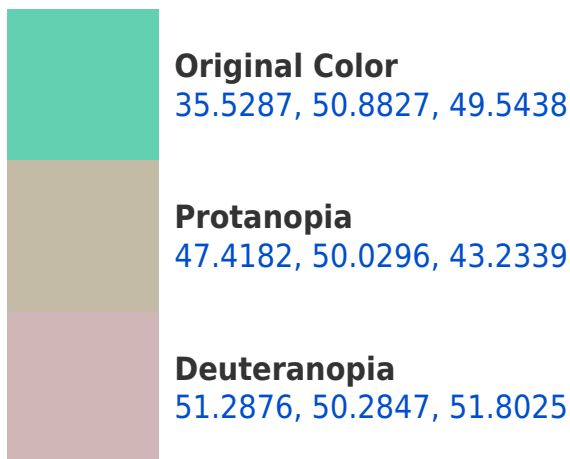


This preview shows how white text looks on a background with the XYZ color 35.5287, 50.8827,

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





Tritanopia

40.3310, 50.6825, 73.9867

Trichromacy



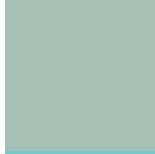
Original Color

35.5287, 50.8827, 49.5438



Protanomaly

41.2680, 49.4061, 45.3915



Deuteranomaly

43.1197, 48.9226, 50.8864



Tritanomaly

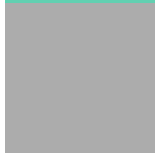
38.3162, 50.5617, 64.2398

Monochromacy



Original Color

35.5287, 50.8827, 49.5438



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6660, 43.7737, 46.5611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5287, 50.8827, 49.5438 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(98, 208, 177)` looks like.

```
.text, #text, p{  
    color:rgb(98, 208, 177)  
}
```

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(98, 208, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 208, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.5287, 50.8827, 49.5438 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(98, 208, 177) }
```


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

```
.border{ border-color:rgb(98, 208, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 208, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 208, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 208, 177);  
box-shadow:4px 4px 4px 4px rgb(98, 208,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5287, 50.8827, 49.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 208, 177) }
```

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

```
.background{ background-color: rgb(98, 208,  
177) }
```

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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