

Converting Colors

XYZ(41.2798, 50.1899, 49.5132)

Have a look what the booklet for
XYZ(41.2798, 50.1899, 49.5132)
contains.

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Color

**XYZ(41.3668, 50.3748,
49.6625)**

Conversions

Conversions Part 1

Format	Color
Hex	99C6B2
RGB	153, 198, 178
RGB Percent	60%, 78%, 70%
CMY	0.4000, 0.2235, 0.3020
CMYK	0.23, 0.00, 0.10, 0.22
HSL	153°, 28%, 69%
HSV	153°, 23%, 78%
XYZ	41.3668, 50.3748, 49.6625
YIQ	182.2650, -20.4000, -15.7600

Conversions

Conversions Part 2

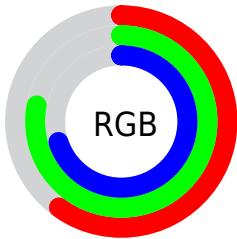
Format	Color
RYB	153, 182, 198
Decimal	10077874
CIELab	76.30, -18.92, 5.18
CIELCh	76, 19.622, 164.683
Yxy	50.3748, 0.2925, 0.3562
Android (android.graphics.Color)	4288267954 (0xFF99C6B2)
YUV	182.2650, -2.1026, -25.6654
Hunter-Lab	70.9752, -20.1707, 8.1965

Details

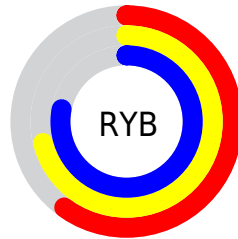
The XYZ color **41.3668, 50.3748, 49.6625** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2245, 37.8066, 44.6092**, and the grayscale version is **44.6280, 46.9521, 51.1309**.

A 20% lighter version of the original color is **76.6237, 90.8704, 91.3431**, and **19.0418, 24.1939, 23.0683** is the 20% darker color. If you saturate the color by 10%, you get **37.0800, 48.2651, 44.9967**, and if you desaturate by 10%, it is **46.3333, 52.8311, 54.6582**.

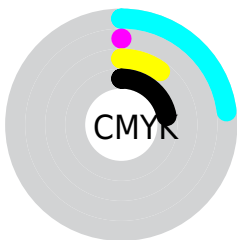
Distribution



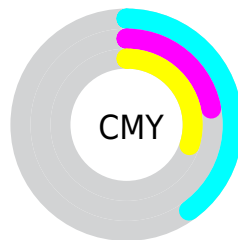
- Red (60%)
- Green (78%)
- Blue (70%)



- Red (60%)
- Yellow (71%)
- Blue (78%)



- Cyan (23%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)



- Cyan (40%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3668, 50.3748, 49.6625 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 41.3668, 50.3748, 49.6625 by changing the saturation by 10% instead.

■ 41.3668, 50.3748,
49.6625

■ 41.3668, 50.3748,
49.6625

342.8878,
388.1298, 402.0418

■ 28.7947, 35.7113,
34.7760

■ 76.5116, 90.7299,
91.0658

■ 19.0691, 24.2113,
23.2082

■ 99.8150, 117.1904,
118.4196

■ 11.8245, 15.4904,
14.5406

127.4263,
148.3519, 150.7663

■ 6.6957, 9.1643,
8.3546

159.7108,
184.5989, 188.5245

■ 3.3171, 4.8485,
4.2316

197.0338,
226.3158, 232.1125

■ 1.3236, 2.1587,
1.7533

239.7608,

■ 0.2008, 0.6973,

273.8870, 281.9491

0.3969

288.2570,
327.6969, 338.4527

■ 0.0000, 0.0000,
0.0000

■ 41.3668, 50.3748,
49.6625

■ 41.3668, 50.3748,
49.6625

■ 37.0800, 48.2651,
44.9967

■ 46.3333, 52.8311,
54.6582

■ 33.4369, 46.4795,
40.6505

■ 52.0048, 55.6428,
59.9872

■ 30.4049, 45.0025,
36.6177

■ 58.4103, 58.8261,
65.6571

■ 27.9463, 43.8150,
32.8907

■ 65.5760, 62.3944,
71.6743

■ 26.0192, 42.8954,
29.4616

■ 73.5268, 66.3604,
78.0448

■ 24.5755, 42.2192,
26.3218

■ 75.8315, 67.4086,
84.4725

■ 23.5578, 41.7568,
23.4622

■ 77.1049, 67.9180,
91.1782

■ 23.0093, 41.5157,
21.5513

■ 78.4417, 68.4527,
98.2177

■ 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



43.0689, 50.3748, 41.6513



41.3668, 50.3748, 49.6625



41.3484, 50.3748, 60.1546

Triad

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



41.3668, 50.3748, 49.6625



49.6979, 50.3748, 76.9106



53.0956, 50.3748, 41.7838

Complementary

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



41.3668, 50.3748, 49.6625



42.2245, 37.8066, 44.6092

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.



55.0650, 50.3748, 49.8660



41.3668, 50.3748, 49.6625



53.0362, 50.3748, 70.5773

Square

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



41.3668, 50.3748, 49.6625



46.0325, 50.3748, 76.8377



55.0427, 50.3748, 60.3859



49.7757, 50.3748, 37.5158

Rectangle

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



41.3668, 50.3748, 49.6625



42.2871, 50.3748, 67.2239



55.0427, 50.3748, 60.3859



53.9449, 50.3748, 44.0954

Sweetspot

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



41.3682, 50.3769, 49.6636



87.5339, 96.2698, 102.0176



43.2344, 51.6031, 37.8194



18.6037, 20.5402, 21.7120



0.0000, 0.0000, 0.0000



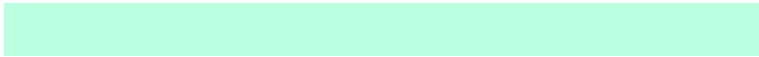
20.3446, 21.4041, 23.3091

Same Dimension

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



41.3682, 50.3769, 49.6636



69.5547, 87.3813, 84.0045



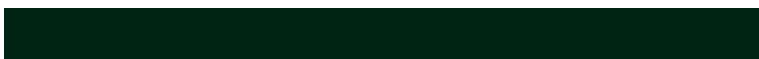
43.0151, 50.2188, 60.8546



10.7400, 11.9849, 12.5808



15.0065, 27.0150, 14.2446



0.7466, 1.2936, 0.8643

Inverse Universe

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



42.2245, 37.8066, 44.6092



71.3227, 61.4379, 73.5764



40.8029, 37.8328, 35.2896



10.8265, 10.7140, 12.0695



16.3326, 8.2826, 6.9613



0.8097, 0.4067, 0.5209

Previews

White Background



This preview shows how the XYZ color 41.3668, 50.3748, 49.6625 looks on a white background.

Color Contrast Check

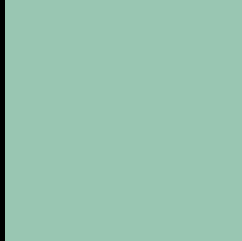
Large Text (above 18pt) WCAG AA × Fail

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 41.3668, 50.3748, 49.6625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

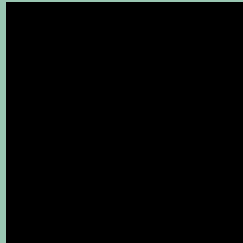
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3668, 50.3748, 49.6625

Background



This preview shows how black text looks on a background with the XYZ color 41.3668, 50.3748, 49.6625.



This preview shows how white text looks on a background with the XYZ color 41.3668, 50.3748,

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

41.3668, 50.3748, 49.6625

Protanopia

47.7224, 50.1213, 46.1889

Deuteranopia

50.8768, 49.7938, 50.6457



Tritanopia

45.0985, 50.5580, 67.7033

Trichromacy



Original Color

41.3668, 50.3748, 49.6625

Protanomaly

45.0932, 50.0209, 47.3227

Deuteranomaly

46.7476, 49.5273, 50.2759

Tritanomaly

43.6128, 50.2755, 60.8316

Monochromacy



Original Color

41.3668, 50.3748, 49.6625

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.1183, 47.9606, 50.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3668, 50.3748, 49.6625 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(153, 198, 178)` looks like.

```
.text, #text, p{  
    color:rgb(153, 198, 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(153, 198, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 198, 178) }
```

Border

The CSS property to change the border of an element to XYZ 41.3668, 50.3748, 49.6625 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(153, 198, 178) }
```


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

```
.border{ border-color:rgb(153, 198, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 198, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 198, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 198, 178);  
box-shadow:4px 4px 4px 4px rgb(153, 198,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3668, 50.3748, 49.6625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 198, 178) }
```

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

```
.background{ background-color: rgb(153,  
198, 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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