

Converting Colors

XYZ(42.5196, 52.8510, 49.6749)

Have a look what the booklet for
XYZ(42.5196, 52.8510, 49.6749)
contains.

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Color

**XYZ(42.4286, 52.6585,
49.5229)**

Conversions

Conversions Part 1

Format	Color
Hex	99CBB1
RGB	153, 203, 177
RGB Percent	60%, 80%, 69%
CMY	0.4000, 0.2039, 0.3059
CMYK	0.25, 0.00, 0.13, 0.20
HSL	149°, 32%, 70%
HSV	149°, 25%, 80%
XYZ	42.4286, 52.6585, 49.5229
YIQ	185.0860, -21.4540, -18.6860

Conversions

Conversions Part 2

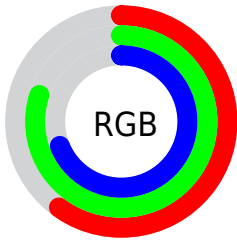
Format	Color
RYB	153, 187, 203
Decimal	10079153
CIELab	77.67, -21.63, 7.70
CIELCh	78, 22.962, 160.415
Yxy	52.6585, 0.2934, 0.3641
Android (android.graphics.Color)	4288269233 (0xFF99CBB1)
YUV	185.0860, -3.9864, -28.1394
Hunter-Lab	72.5662, -22.6239, 10.3338

Details

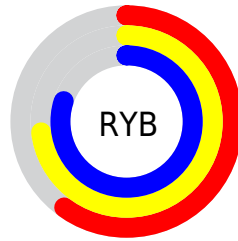
The XYZ color **42.4286, 52.6585, 49.5229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.1583, 38.7349, 47.7991**, and the grayscale version is **46.1931, 48.5988, 52.9240**.

A 20% lighter version of the original color is **76.4804, 90.8131, 90.5885**, and **19.7524, 25.7168, 22.9916** is the 20% darker color. If you saturate the color by 10%, you get **37.9065, 50.4456, 44.0299**, and if you desaturate by 10%, it is **47.6869, 55.2444, 55.4776**.

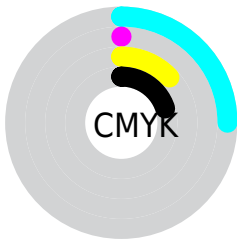
Distribution



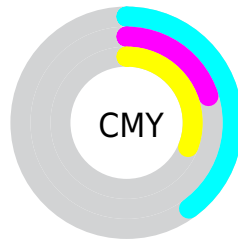
- Red (60%)
- Green (80%)
- Blue (69%)



- Red (60%)
- Yellow (73%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)





- Cyan (40%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4286, 52.6585, 49.5229 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 42.4286, 52.6585, 49.5229 by changing the saturation by 10% instead.


 42.4286, 52.6585,
49.5229


 42.4286, 52.6585,
49.5229


347.2181,
396.9735, 401.4787

 29.6296, 37.5302,
34.6659


 78.1090, 94.1017,
90.8566

 19.7043, 25.6183,
23.1242


 101.7211,
121.1853, 118.1704

 12.2873, 16.5383,
14.4791


129.6683,
153.0229, 150.4736

 7.0132, 9.9059,
8.3121

162.3159,
189.9988, 188.1846

 3.5168, 5.3366,
4.2046

200.0294,
232.4975, 231.7221

 1.4326, 2.4461,
1.7383

243.1740,

 0.2793, 0.8494,

280.9032, 281.5046

0.3868

292.1151,
335.6004, 337.9507

■ 0.0000, 0.0000,
0.0000

■ 42.4286, 52.6585,
49.5229

■ 42.4286, 52.6585,
49.5229

■ 37.9065, 50.4456,
44.0299

■ 47.6869, 55.2444,
55.4776

■ 34.0814, 48.5815,
38.9838

■ 53.7094, 58.2132,
61.9011

■ 30.9170, 47.0489,
34.3742

■ 60.5281, 61.5826,
68.8051

■ 28.3719, 45.8268,
30.1888

■ 68.1716, 65.3672,
76.1996

■ 26.3994, 44.8915,
26.4148

■ 76.6673, 69.5809,
84.0944

■ 24.9460, 44.2155,
23.0385

■ 78.3759, 70.2854,
92.1400

■ 23.9471, 43.7657,
20.0451

■ 79.9935, 70.9325,
100.6580

■ 23.5351, 43.5851,
18.5889

■ 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



44.7159, 52.6585, 40.6593



42.4286, 52.6585, 49.5229



42.1129, 52.6585, 61.8715

Triad

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



42.4286, 52.6585, 49.5229



51.6099, 52.6585, 84.9088



56.8374, 52.6585, 42.8979

Complementary

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



42.4286, 52.6585, 49.5229



44.1583, 38.7349, 47.7991

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.



58.9273, 52.6585, 53.0280



42.4286, 52.6585, 49.5229



55.7930, 52.6585, 78.0442

Square

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



42.4286, 52.6585, 49.5229



47.2421, 52.6585, 83.6007



58.5342, 52.6585, 65.9308



52.9677, 52.6585, 37.2441

Rectangle

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



42.4286, 52.6585, 49.5229



43.0416, 52.6585, 70.6293



58.5342, 52.6585, 65.9308



57.7814, 52.6585, 45.8252

Sweetspot

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



42.4301, 52.6607, 49.5241



87.3264, 96.1868, 100.9250



45.8524, 54.6775, 38.2748



18.5556, 20.5209, 21.4590



0.0000, 0.0000, 0.0000



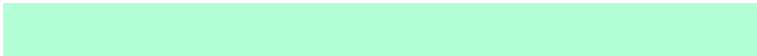
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4301, 52.6607, 49.5241



66.5289, 85.9618, 77.5230



45.0764, 53.7192, 63.4598



11.2886, 12.6252, 13.0770



15.0224, 27.7543, 12.0691



0.8133, 1.4471, 0.8242

Inverse Universe

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



44.1583, 38.7349, 47.7991



69.9519, 58.3768, 74.1041



41.9098, 37.8355, 35.9586



11.4519, 11.3095, 12.9141



17.3611, 8.7550, 9.6199



0.9339, 0.4670, 0.6976

Previews

White Background



This preview shows how the XYZ color 42.4286, 52.6585, 49.5229 looks on a white background.

Color Contrast Check

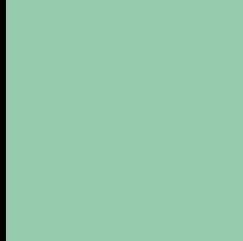
Large Text (above 18pt) WCAG AA × Fail

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 42.4286, 52.6585, 49.5229 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 42.4286, 52.6585, 49.5229

Background



This preview shows how black text looks on a background with the XYZ color 42.4286, 52.6585, 49.5229.



This preview shows how white text looks on a background with the XYZ color 42.4286, 52.6585,

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

42.4286, 52.6585, 49.5229

Protanopia

49.8009, 52.4812, 46.0332

Deuteranopia

53.4210, 52.3303, 51.0012



Tritanopia

46.8289, 52.7168, 71.3255

Trichromacy



Original Color

42.4286, 52.6585, 49.5229

Protanomaly

46.5864, 52.1146, 47.1389

Deuteranomaly

48.8261, 52.2010, 50.6824

Tritanomaly

45.1015, 52.6937, 63.0521

Monochromacy



Original Color

42.4286, 52.6585, 49.5229

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.5267, 49.9609, 51.5526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4286, 52.6585, 49.5229 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, 203, 177)` looks like.

```
.text, #text, p{  
    color:rgb(153, 203, 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(153, 203, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 203, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.4286, 52.6585, 49.5229 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, 203, 177) }
```


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

```
.border{ border-color:rgb(153, 203, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 203, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 203, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 203, 177);  
box-shadow:4px 4px 4px 4px rgb(153, 203,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4286, 52.6585, 49.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 203, 177) }
```

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

```
.background{ background-color: rgb(153,  
203, 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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