

Converting Colors

XYZ(42.8016, 52.4495, 43.7898)

Have a look what the booklet for
XYZ(42.8016, 52.4495, 43.7898)
contains.

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Color

**XYZ(42.6699, 52.2078,
43.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C9A6
RGB	162, 201, 166
RGB Percent	64%, 79%, 65%
CMY	0.3647, 0.2117, 0.3490
CMYK	0.19, 0.00, 0.17, 0.21
HSL	126°, 27%, 71%
HSV	126°, 19%, 79%
XYZ	42.6699, 52.2078, 43.9046
YIQ	185.3490, -12.0090, -19.1530

Conversions

Conversions Part 2

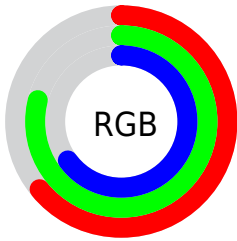
Format	Color
RYB	162, 197, 201
Decimal	10668454
CIELab	77.40, -19.76, 13.29
CIElCh	77, 23.808, 146.077
Yxy	52.2078, 0.3075, 0.3762
Android (android.graphics.Color)	4288858534 (0xFFA2C9A6)
YUV	185.3490, -9.5391, -20.4771
Hunter-Lab	72.2550, -21.0337, 14.5518

Details

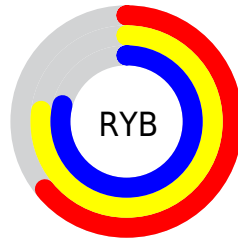
The XYZ color **42.6699, 52.2078, 43.9046** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.0876, 42.2907, 58.5068**, and the grayscale version is **46.3659, 48.7805, 53.1220**.

A 20% lighter version of the original color is **77.4264, 91.4922, 81.9856**, and **19.9014, 25.3973, 19.7729** is the 20% darker color. If you saturate the color by 10%, you get **37.3683, 49.6542, 35.6163**, and if you desaturate by 10%, it is **48.8591, 55.1951, 53.4483**.

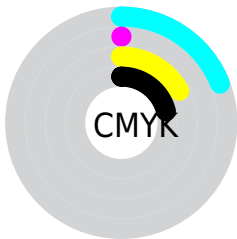
Distribution



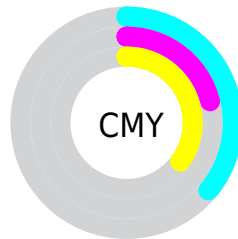
- Red (64%)
- Green (79%)
- Blue (65%)



- Red (64%)
- Yellow (77%)
- Blue (79%)



- Cyan (19%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)





- Cyan (36%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6699, 52.2078, 43.9046 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 42.6699, 52.2078, 43.9046 by changing the saturation by 10% instead.


 42.6699, 52.2078,
43.9046


 42.6699, 52.2078,
43.9046


348.1970,
395.2383, 378.3488

 29.8196, 37.1707,
30.2589


 78.4713, 93.4376,
82.3751

 19.8491, 25.3397,
19.7814


 102.1531,
120.3992, 108.0370

 12.3930, 16.3303,
12.0538

130.1762,
152.1044, 138.5413

 7.0860, 9.7582,
6.6573

162.9058,
188.9375, 174.3066

 3.5628, 5.2389,
3.1736

200.7073,
231.2831, 215.7515

 1.4579, 2.3881,
1.1839

243.9461,

 0.2969, 0.8198,

279.5255, 263.2945

0.0000

292.9876,
334.0491, 317.3540

■ 0.0000, 0.0000,
0.0000

■ 42.6699, 52.2078,
43.9046

■ 42.6699, 52.2078,
43.9046

■ 37.3683, 49.6542,
35.6163

■ 48.8591, 55.1951,
53.4483

■ 32.9096, 47.5079,
28.5278

■ 55.9696, 58.6281,
64.2929

■ 29.2514, 45.7498,
22.5846

■ 64.0386, 62.5263,
76.4859

■ 26.3461, 44.3566,
17.7267

■ 73.0998, 66.9062,
90.0714

■ 24.1408, 43.3024,
13.8883

■ 80.1776, 70.2552,
103.9425

■ 22.5759, 42.5580,
10.9968

■ 21.5817, 42.0893,
8.9700

■ 21.0445, 41.8397,
7.7102

■ 21.0194, 41.8280,
7.6567

Harmonies

Analogous

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



45.8520, 52.2078, 37.0746



42.6699, 52.2078, 43.9046



41.3475, 52.2078, 55.1380

Triad

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



42.6699, 52.2078, 43.9046



49.0221, 52.2078, 85.8894



57.9562, 52.2078, 46.4677

Complementary

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



42.6699, 52.2078, 43.9046



47.0876, 42.2907, 58.5068

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.



58.9326, 52.2078, 58.5877



42.6699, 52.2078, 43.9046



53.5930, 52.2078, 82.6300

Square

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



42.6699, 52.2078, 43.9046



44.8696, 52.2078, 80.4365



57.2908, 52.2078, 72.1078



54.6986, 52.2078, 38.3869

Rectangle

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



42.6699, 52.2078, 43.9046



41.6348, 52.2078, 64.1169



57.2908, 52.2078, 72.1078



58.5704, 52.2078, 50.1456

Sweetspot

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



42.6713, 52.2100, 43.9058



87.5109, 96.3598, 97.4171



50.4625, 56.2683, 42.3843



18.5630, 20.5439, 20.5946



0.0000, 0.0000, 0.0000



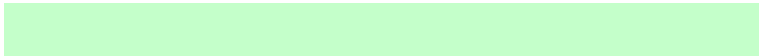
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6713, 52.2100, 43.9058



69.3201, 87.5844, 69.3561



44.5878, 52.9766, 53.9979



10.5409, 11.9053, 11.5328



13.2319, 26.3051, 4.8996



0.6419, 1.2517, 0.3129

Inverse Universe

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



47.0876, 42.2907, 58.5068



78.1555, 67.7365, 98.5652



45.0051, 41.4577, 47.5407



11.0344, 10.7972, 13.1645



20.3695, 9.8974, 28.2196



0.9784, 0.4742, 1.4092

Previews

White Background



This preview shows how the XYZ color 42.6699, 52.2078, 43.9046 looks on a white background.

Color Contrast Check

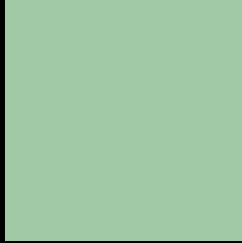
Large Text (above 18pt) WCAG AA × Fail

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 42.6699, 52.2078, 43.9046 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 42.6699, 52.2078, 43.9046

Background



This preview shows how black text looks on a background with the XYZ color 42.6699, 52.2078, 43.9046.



This preview shows how white text looks on a background with the XYZ color 42.6699, 52.2078,

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

42.6699, 52.2078, 43.9046

Protanopia

48.9339, 51.8176, 41.1409

Deuteranopia

53.0115, 51.9350, 45.2607



Tritanopia

47.7255, 52.2294, 68.5386

Trichromacy



Original Color

42.6699, 52.2078, 43.9046

Protanomaly

46.3962, 51.7927, 42.2020

Deuteranomaly

48.6008, 51.5618, 44.9270

Tritanomaly

45.6402, 52.0430, 58.6788

Monochromacy



Original Color

42.6699, 52.2078, 43.9046

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.7981, 49.8231, 49.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6699, 52.2078, 43.9046 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(162, 201, 166)` looks like.

```
.text, #text, p{  
    color:rgb(162, 201, 166)  
}
```

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(162, 201, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 201, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.6699, 52.2078, 43.9046 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(162, 201, 166) }
```


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

```
.border{ border-color:rgb(162, 201, 166) }
```

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

Here you see how a box with a 4 pixel rgb(162, 201, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 201, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 201, 166);  
box-shadow:4px 4px 4px 4px rgb(162, 201,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6699, 52.2078, 43.9046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 201, 166) }
```

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

```
.background{ background-color: rgb(162,  
201, 166) }
```

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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