

Converting Colors

XYZ(45.8399, 52.2050, 69.7167)

Have a look what the booklet for
XYZ(45.8399, 52.2050, 69.7167)
contains.

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Color

**XYZ(45.9824, 52.3097,
69.9606)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC6D4
RGB	157, 198, 212
RGB Percent	62%, 78%, 83%
CMY	0.3843, 0.2235, 0.1686
CMYK	0.26, 0.07, 0.00, 0.17
HSL	195°, 39%, 72%
HSV	195°, 26%, 83%
XYZ	45.9824, 52.3097, 69.9606
YIQ	187.3370, -28.9300, -4.3380

Conversions

Conversions Part 2

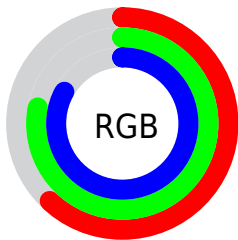
Format	Color
RYB	157, 180, 212
Decimal	10340052
CIELab	77.47, -10.36, -11.43
CIELCh	77, 15.427, 227.832
Yxy	52.3097, 0.2733, 0.3109
Android (android.graphics.Color)	4288530132 (0xFF9DC6D4)
YUV	187.3370, 12.1589, -26.6055
Hunter-Lab	72.3254, -13.0845, -6.7236

Details

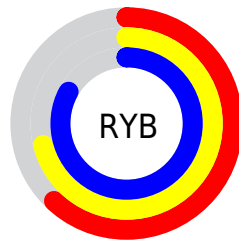
The XYZ color **45.9824, 52.3097, 69.9606** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.8008, 45.5577, 38.1737**, and the grayscale version is **47.3708, 49.8377, 54.2733**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **21.7680, 25.3239, 35.6390** is the 20% darker color. If you saturate the color by 10%, you get **40.9886, 47.9382, 69.3809**, and if you desaturate by 10%, it is **51.7409, 57.1433, 70.5909**.

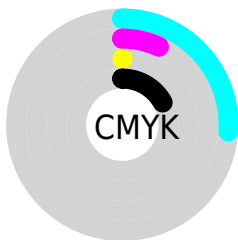
Distribution



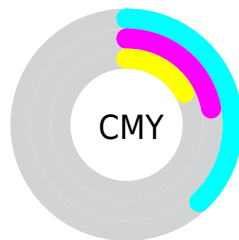
- Red (62%)
- Green (78%)
- Blue (83%)



- Red (62%)
- Yellow (71%)
- Blue (83%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9824, 52.3097, 69.9606 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 45.9824, 52.3097, 69.9606 by changing the saturation by 10% instead.

■ 45.9824, 52.3097,
69.9606

■ 45.9824, 52.3097,
69.9606

361.4550,
395.6311, 479.1970

■ 32.4365, 37.2520,
51.0178

■ 83.4207, 93.5878,
120.8332

■ 21.8523, 25.4027,
35.8460

■ 108.0438,
120.5770, 153.6000

■ 13.8644, 16.3773,
24.0265

137.0900,
152.3122, 191.8119

■ 8.1075, 9.7915,
15.1409

170.9246,
189.1777, 235.8875

■ 4.2162, 5.2610,
8.7706

209.9131,
231.5579, 286.2453

■ 1.8251, 2.4012,
4.4971

254.4208,

■ 0.5328, 0.8265,

279.8373, 343.3038

1.9018

304.8129,
334.4002, 407.4815

■ 0.0000, 0.0000,
0.4939

■ 0.0000, 0.0000,
0.0000

■ 45.9824, 52.3097,
69.9606

■ 45.9824, 52.3097,
69.9606

■ 40.9886, 47.9382,
69.3809

■ 51.7409, 57.1433,
70.5909

■ 36.7174, 44.0024,
68.8463

■ 58.2943, 62.4513,
71.2701

■ 33.1294, 40.4827,
68.3561

■ 65.6768, 68.2531,
72.0009

■ 30.1795, 37.3552,
67.9079

■ 73.9191, 74.5655,
72.7848

■ 27.8170, 34.5929,
67.4992

■ 80.0441, 79.8541,
73.4828

■ 25.9826, 32.1647,
67.1272

■ 81.5258, 82.8175,
73.9767

■ 24.6030, 30.0320,
66.7883

■ 83.0540, 85.8738,
74.4861

■ 24.1184, 29.2227,
66.6576

■ 84.6291, 89.0240,
75.0111

■ 86.2515, 92.2688,
75.5519

Harmonies

Analogous

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



44.4775, 52.3097, 62.1138



45.9824, 52.3097, 69.9606



48.5247, 52.3097, 74.4891

Triad

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



45.9824, 52.3097, 69.9606



55.5135, 52.3097, 60.4741



47.9902, 52.3097, 42.7610

Complementary

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



45.9824, 52.3097, 69.9606



47.8008, 45.5577, 38.1737

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.



50.9324, 52.3097, 42.4163



45.9824, 52.3097, 69.9606



55.3565, 52.3097, 52.0927

Square

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



45.9824, 52.3097, 69.9606



54.0733, 52.3097, 68.6578



53.6523, 52.3097, 45.6726



45.6046, 52.3097, 46.6663

Rectangle

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



45.9824, 52.3097, 69.9606



50.5012, 52.3097, 74.7463



53.6523, 52.3097, 45.6726



48.9445, 52.3097, 42.2400

Sweetspot

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



45.9840, 52.3118, 69.9618



86.3050, 93.0661, 108.0225



44.7761, 57.1869, 47.0827



18.1405, 19.6526, 23.0872



0.0000, 0.0000, 0.0000



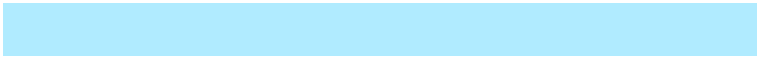
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9840, 52.3118, 69.9618



65.6175, 75.7929, 105.7788



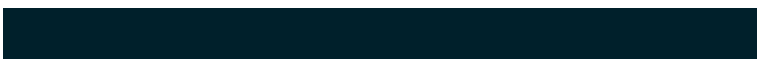
40.3052, 40.9543, 68.0689



12.5122, 13.5478, 15.8930



14.9733, 18.2083, 41.1785



0.9676, 1.2272, 2.5052

Inverse Universe

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



49.4027, 42.1896, 58.9679



71.7338, 58.2824, 85.9761



53.4895, 56.9350, 40.0699



12.8117, 12.5762, 14.9488



20.6167, 10.1830, 21.0833



1.2760, 0.6272, 1.4430

Previews

White Background



This preview shows how the XYZ color 45.9824, 52.3097, 69.9606 looks on a white background.

Color Contrast Check

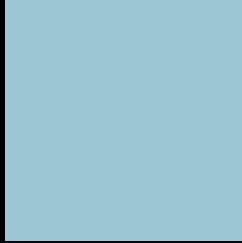
Large Text (above 18pt) WCAG AA × Fail

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 45.9824, 52.3097, 69.9606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

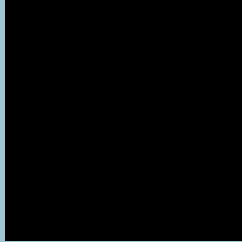
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9824, 52.3097, 69.9606

Background



This preview shows how black text looks on a background with the XYZ color 45.9824, 52.3097, 69.9606.



This preview shows how white text looks on a background with the XYZ color 45.9824, 52.3097,

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

45.9824, 52.3097, 69.9606

Protanopia

50.9111, 52.2791, 66.4390

Deuteranopia

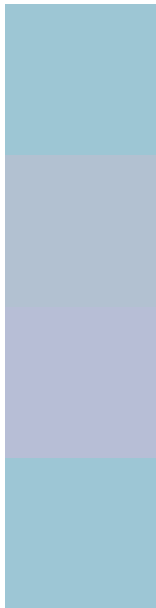
53.1133, 52.0299, 71.5334



Tritanopia

46.2363, 52.4113, 71.2978

Trichromacy



Original Color

45.9824, 52.3097, 69.9606

Protanomaly

48.9387, 52.2084, 67.8195

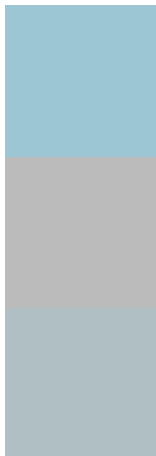
Deuteranomaly

50.0795, 51.7492, 70.9675

Tritanomaly

46.1090, 52.3604, 70.6271

Monochromacy



Original Color

45.9824, 52.3097, 69.9606

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.4991, 50.4772, 59.5169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9824, 52.3097, 69.9606 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(157, 198, 212)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 212)  
}
```

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(157, 198, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 212) }
```

Border

The CSS property to change the border of an element to XYZ 45.9824, 52.3097, 69.9606 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(157, 198, 212) }
```


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

```
.border{ border-color:rgb(157, 198, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 198, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 212);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9824, 52.3097, 69.9606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 198, 212) }
```

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

```
.background{ background-color: rgb(157,  
198, 212) }
```

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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