

Converting Colors

XYZ(45.3196, 52.3528, 72.2795)

Have a look what the booklet for
XYZ(45.3196, 52.3528, 72.2795)
contains.

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Color

**XYZ(45.2668, 52.2372,
71.9869)**

Conversions

Conversions Part 1

Format	Color
Hex	96C7D7
RGB	150, 199, 215
RGB Percent	59%, 78%, 84%
CMY	0.4118, 0.2196, 0.1569
CMYK	0.30, 0.07, 0.00, 0.16
HSL	195°, 45%, 72%
HSV	195°, 30%, 84%
XYZ	45.2668, 52.2372, 71.9869
YIQ	186.1730, -34.3400, -5.4120

Conversions

Conversions Part 2

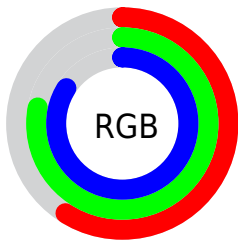
Format	Color
RYB	150, 178, 215
Decimal	9881559
CIELab	77.42, -12.22, -13.16
CIElCh	77, 17.955, 227.127
Yxy	52.2372, 0.2671, 0.3082
Android (android.graphics.Color)	4288071639 (0xFF96C7D7)
YUV	186.1730, 14.2117, -31.7237
Hunter-Lab	72.2753, -14.6853, -8.4607

Details

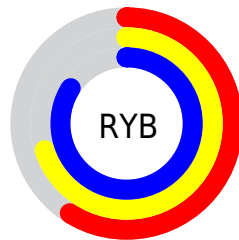
The XYZ color **45.2668, 52.2372, 71.9869** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1661, 43.9218, 34.8471**, and the grayscale version is **46.7069, 49.1393, 53.5127**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **21.4003, 25.3303, 37.0190** is the 20% darker color. If you saturate the color by 10%, you get **40.4716, 47.9903, 71.4208**, and if you desaturate by 10%, it is **50.8334, 56.9472, 72.6035**.

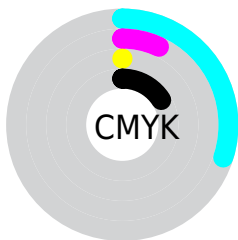
Distribution



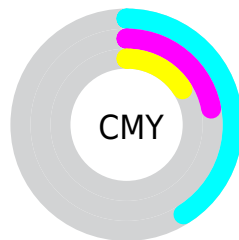
- Red (59%)
- Green (78%)
- Blue (84%)



- Red (59%)
- Yellow (70%)
- Blue (84%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (41%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2668, 52.2372, 71.9869 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 45.2668, 52.2372, 71.9869 by changing the saturation by 10% instead.

■ 45.2668, 52.2372,
71.9869

■ 45.2668, 52.2372,
71.9869

358.6186,
395.3516, 486.4723

■ 31.8698, 37.1942,
52.6612

■ 82.3552, 93.4810,
123.7455

■ 21.4171, 25.3579,
37.1465

■ 106.7774,
120.4505, 157.0154

■ 13.5434, 16.3439,
25.0243

135.6053,
152.1643, 195.7705

■ 7.8834, 9.7678,
15.8760

169.2043,
189.0068, 240.4293

■ 4.0716, 5.2453,
9.2830

207.9398,
231.3624, 291.4103

■ 1.7427, 2.3919,
4.8269

252.1771,

■ 0.4828, 0.8217,

279.6155, 349.1322

2.0891

302.2816,
334.1504, 414.0133

■ 0.0000, 0.0000,
0.6093

■ 0.0000, 0.0000,
0.0000

■ 45.2668, 52.2372,
71.9869

■ 45.2668, 52.2372,
71.9869

■ 40.4716, 47.9903,
71.4208

■ 50.8334, 56.9472,
72.6035

■ 36.4028, 44.1788,
70.8995

■ 57.2037, 62.1337,
73.2689

■ 33.0181, 40.7815,
70.4222

■ 64.4140, 67.8174,
73.9859

■ 30.2685, 37.7726,
69.9863

■ 72.4969, 74.0155,
74.7562

■ 28.0981, 35.1226,
69.5892

■ 80.5561, 80.2668,
75.5381

■ 26.4406, 32.7966,
69.2276

■ 82.0128, 83.1802,
76.0237

■ 25.2013, 30.7772,
68.9031

■ 83.5143, 86.1831,
76.5241

■ 85.0609, 89.2763,
77.0397

■ 86.6530, 92.4606,
77.5704

Harmonies

Analogous

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



43.5695, 52.2372, 62.6647



45.2668, 52.2372, 71.9869



48.1848, 52.2372, 77.5084

Triad

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



45.2668, 52.2372, 71.9869



56.4100, 52.2372, 61.2214



47.7196, 52.2372, 40.5676

Complementary

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



45.2668, 52.2372, 71.9869



47.1661, 43.9218, 34.8471

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.



51.1444, 52.2372, 40.2767



45.2668, 52.2372, 71.9869



56.2713, 52.2372, 51.4579

Square

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



45.2668, 52.2372, 71.9869



54.6780, 52.2372, 70.8253



54.3072, 52.2372, 44.0455



44.9399, 52.2372, 44.8927

Rectangle

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



45.2668, 52.2372, 71.9869



50.4784, 52.2372, 77.9161



54.3072, 52.2372, 44.0455



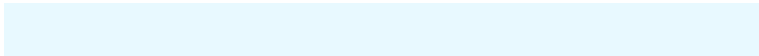
48.8305, 52.2372, 40.0141

Sweetspot

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



45.2684, 52.2393, 71.9881



85.3294, 92.3531, 107.9363



43.6858, 57.8086, 44.5337



17.9485, 19.5151, 23.0707



0.0000, 0.0000, 0.0000



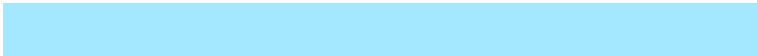
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2684, 52.2393, 71.9881



62.1664, 72.9699, 105.4158



38.7243, 39.1512, 69.8068



12.5213, 13.5660, 15.8961



15.1604, 18.5826, 41.2409



0.9775, 1.2471, 2.5085

Inverse Universe

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



49.2407, 40.3845, 59.2349



68.9960, 53.3748, 83.3128



53.6483, 56.8860, 37.0078



12.8163, 12.5780, 14.9729



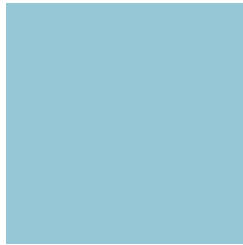
20.7111, 10.2208, 21.5807



1.2811, 0.6292, 1.4694

Previews

White Background



This preview shows how the XYZ color 45.2668, 52.2372, 71.9869 looks on a white background.

Color Contrast Check

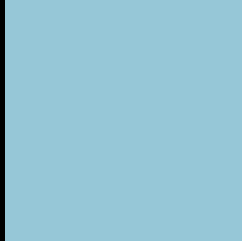
Large Text (above 18pt) WCAG AA × Fail

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 45.2668, 52.2372, 71.9869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

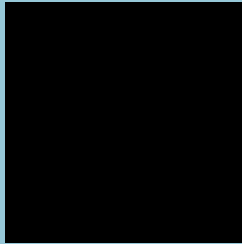
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2668, 52.2372, 71.9869

Background



This preview shows how black text looks on a background with the XYZ color 45.2668, 52.2372, 71.9869.



This preview shows how white text looks on a background with the XYZ color 45.2668, 52.2372, 71.9869.

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

45.2668, 52.2372, 71.9869

Protanopia

50.6925, 51.8175, 67.6516

Deuteranopia

52.9787, 51.9155, 73.5581



Tritanopia

45.2668, 52.2372, 71.9869

Trichromacy



Original Color

45.2668, 52.2372, 71.9869

Protanomaly

48.5070, 51.9570, 69.1001

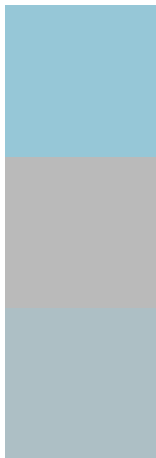
Deuteranomaly

49.7456, 51.8551, 73.0328

Tritanomaly

45.2668, 52.2372, 71.9869

Monochromacy



Original Color

45.2668, 52.2372, 71.9869

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.9424, 50.1771, 60.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2668, 52.2372, 71.9869 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(150, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(150, 199, 215)  
}
```

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(150, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 199, 215) }
```

Border

The CSS property to change the border of an element to XYZ 45.2668, 52.2372, 71.9869 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(150, 199, 215) }
```


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

```
.border{ border-color:rgb(150, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(150, 199,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2668, 52.2372, 71.9869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 199, 215) }
```

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

```
.background{ background-color: rgb(150,  
199, 215) }
```

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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