

Converting Colors

XYZ(47.4805, 52.5731, 67.2830)

Have a look what the booklet for
XYZ(47.4805, 52.5731, 67.2830)
contains.

XYZ(47.4873, 52.4689, 67.2992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.4873, 52.4689,
67.2992)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C4D0
RGB	169, 196, 208
RGB Percent	66%, 77%, 82%
CMY	0.3372, 0.2314, 0.1843
CMYK	0.19, 0.06, 0.00, 0.18
HSL	198°, 29%, 74%
HSV	198°, 19%, 82%
XYZ	47.4873, 52.4689, 67.2992
YIQ	189.2950, -19.9440, -1.9920

Conversions

Conversions Part 2

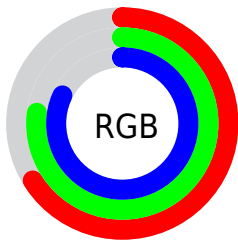
Format	Color
RYB	169, 185, 208
Decimal	11125968
CIELab	77.56, -6.53, -9.05
CIELCh	78, 11.162, 234.207
Yxy	52.4689, 0.2839, 0.3137
Android (android.graphics.Color)	4289316048 (0xFFA9C4D0)
YUV	189.2950, 9.2216, -17.7987
Hunter-Lab	72.4354, -9.7407, -4.3811

Details

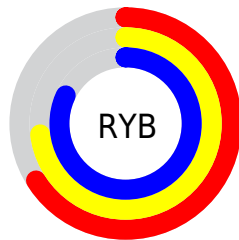
The XYZ color **47.4873, 52.4689, 67.2992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6983, 49.3224, 44.4381**, and the grayscale version is **48.4969, 51.0225, 55.5635**.

A 20% lighter version of the original color is **84.2266, 93.4781, 108.2116**, and **22.7082, 25.3921, 34.2762** is the 20% darker color. If you saturate the color by 10%, you get **41.9627, 47.5250, 66.6370**, and if you desaturate by 10%, it is **53.7864, 57.9062, 68.0176**.

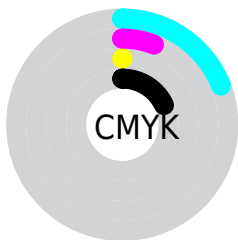
Distribution



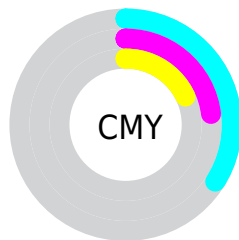
- Red (66%)
- Green (77%)
- Blue (82%)



- Red (66%)
- Yellow (73%)
- Blue (82%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (34%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4873, 52.4689, 67.2992 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 47.4873, 52.4689, 67.2992 by changing the saturation by 10% instead.

■ 47.4873, 52.4689,
67.2992

■ 47.4873, 52.4689,
67.2992

367.3728,
396.2442, 469.5395

■ 33.6306, 37.3790,
48.8647

■ 85.6549, 93.8224,
116.9937

■ 22.7715, 25.5010,
34.1473

■ 110.6965,
120.8548, 149.0909

■ 14.5446, 16.4507,
22.7285

140.1971,
152.6367, 186.5793

■ 8.5847, 9.8437,
14.1898

174.5221,
189.5526, 229.8775

■ 4.5262, 5.2954,
8.1125

214.0368,
231.9870, 279.4041

■ 2.0039, 2.4216,
4.0782

259.1066,

■ 0.6362, 0.8370,

280.3241, 335.5776

1.6684

310.0968,
334.9483, 398.8166

■ 0.0000, 0.0000,
0.3389

■ 0.0000, 0.0000,
0.0000

■ 47.4873, 52.4689,
67.2992

■ 47.4873, 52.4689,
67.2992

■ 41.9627, 47.5250,
66.6370

■ 53.7864, 57.9062,
68.0176

■ 37.1738, 43.0492,
66.0255

■ 60.8874, 63.8480,
68.7902

■ 33.0851, 39.0236,
65.4639

■ 68.8220, 70.3132,
69.6199

■ 29.6563, 35.4261,
64.9502

■ 77.6187, 77.3174,
70.5082

■ 26.8426, 32.2324,
64.4821

■ 80.3682, 81.2999,
71.1320

■ 24.5933, 29.4153,
64.0569

■ 82.1613, 84.8860,
71.7297

■ 22.8487, 26.9426,
63.6716

■ 84.0202, 88.6039,
72.3493

■ 21.5148, 24.7647,
63.3215

■ 85.9456, 92.4547,
72.9911

■ 21.3606, 24.5046,
63.2794

■ 87.9382, 96.4400,
73.6553

Harmonies

Analogous

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



46.1879, 52.4689, 62.1318



47.4873, 52.4689, 67.2992



49.4534, 52.4689, 69.7592

Triad

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



47.4873, 52.4689, 67.2992



54.1043, 52.4689, 58.3350



48.1914, 52.4689, 46.9816

Complementary

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



47.4873, 52.4689, 67.2992



49.6983, 49.3224, 44.4381

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.



50.2892, 52.4689, 46.1247



47.4873, 52.4689, 67.2992



53.7430, 52.4689, 52.4036

Square

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



47.4873, 52.4689, 67.2992



53.3049, 52.4689, 64.3501



52.3313, 52.4689, 48.0400



46.5861, 52.4689, 50.4707

Rectangle

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



47.4873, 52.4689, 67.2992



50.8934, 52.4689, 69.4146



52.3313, 52.4689, 48.0400



48.8607, 52.4689, 46.3872

Sweetspot

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



47.4889, 52.4711, 67.3004



88.1602, 94.2464, 108.1526



47.2289, 56.8717, 52.0441



18.7155, 20.0424, 23.1321



0.0000, 0.0000, 0.0000



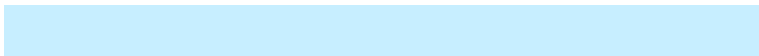
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4889, 52.4711, 67.3004



72.0761, 80.3472, 106.3175



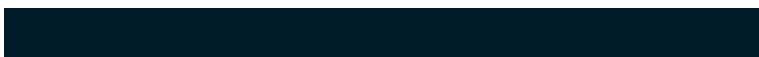
43.4311, 44.3556, 65.9478



11.8387, 12.7677, 15.0841



13.4020, 15.4506, 39.4684



0.8179, 1.0010, 2.2297

Inverse Universe

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



50.1655, 45.7726, 58.4179



77.0351, 68.2187, 89.7975



53.8755, 57.6767, 45.8305



12.1495, 11.9445, 14.0630



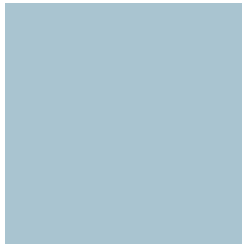
19.3954, 9.6310, 17.5203



1.1191, 0.5524, 1.1619

Previews

White Background



This preview shows how the XYZ color 47.4873, 52.4689, 67.2992 looks on a white background.

Color Contrast Check

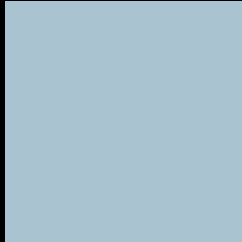
Large Text (above 18pt) WCAG AA × Fail

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 47.4873, 52.4689, 67.2992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

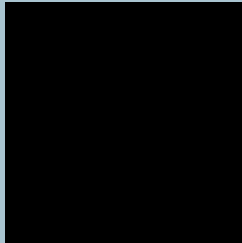
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

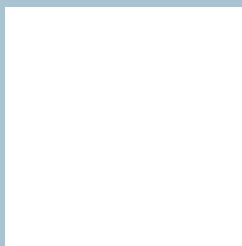
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4873, 52.4689, 67.2992

Background



This preview shows how black text looks on a background with the XYZ color 47.4873, 52.4689, 67.2992.



This preview shows how white text looks on a background with the XYZ color 47.4873, 52.4689,

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

47.4873, 52.4689, 67.2992

Protanopia

50.7984, 52.2629, 64.5371

Deuteranopia

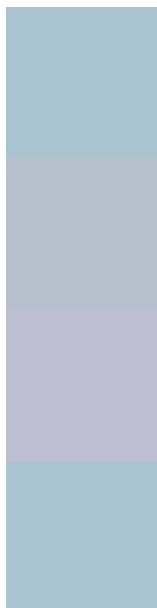
53.2792, 52.1885, 68.2380



Tritanopia

48.0754, 52.7291, 69.2719

Trichromacy



Original Color

47.4873, 52.4689, 67.2992

Protanomaly

49.3975, 52.1743, 65.2247

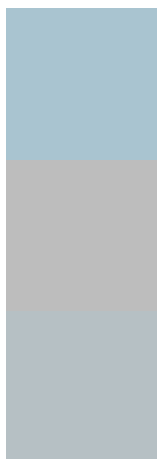
Deuteranomaly

50.9083, 52.2492, 67.7235

Tritanomaly

47.9503, 52.6790, 68.6136

Monochromacy



Original Color

47.4873, 52.4689, 67.2992

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1048, 51.6299, 59.6547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4873, 52.4689, 67.2992 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(169, 196, 208)` looks like.

```
.text, #text, p{  
    color:rgb(169, 196, 208)  
}
```

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(169, 196, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 196, 208) }
```

Border

The CSS property to change the border of an element to XYZ 47.4873, 52.4689, 67.2992 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(169, 196, 208) }
```


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

```
.border{ border-color:rgb(169, 196, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 196, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 196, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 196, 208);  
box-shadow:4px 4px 4px 4px rgb(169, 196,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4873, 52.4689, 67.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 196, 208) }
```

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

```
.background{ background-color: rgb(169,  
196, 208) }
```

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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