

Converting Colors

XYZ(40.2468, 49.8242, 67.0547)

Have a look what the booklet for
XYZ(40.2468, 49.8242, 67.0547)
contains.

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Color

**XYZ(40.2660, 49.7609,
67.1571)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC7D0
RGB	125, 199, 208
RGB Percent	49%, 78%, 82%
CMY	0.5098, 0.2196, 0.1843
CMYK	0.40, 0.04, 0.00, 0.18
HSL	187°, 47%, 65%
HSV	187°, 40%, 82%
XYZ	40.2660, 49.7609, 67.1571
YIQ	177.9000, -46.9930, -12.8890

Conversions

Conversions Part 2

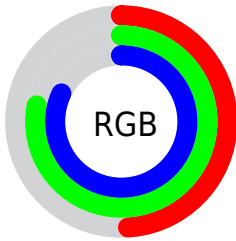
Format	Color
RYB	125, 164, 208
Decimal	8243152
CIELab	75.92, -20.69, -11.76
CIElCh	76, 23.801, 209.605
Yxy	49.7609, 0.2562, 0.3166
Android (android.graphics.Color)	4286433232 (0xFF7DC7D0)
YUV	177.9000, 14.8393, -46.3933
Hunter-Lab	70.5414, -21.5572, -7.0665

Details

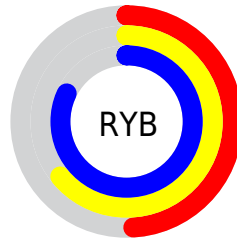
The XYZ color **40.2660, 49.7609, 67.1571** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.2399, 31.9413, 23.5529**, and the grayscale version is **42.2071, 44.4052, 48.3572**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **18.4839, 23.8860, 34.2081** is the 20% darker color. If you saturate the color by 10%, you get **37.0271, 47.3278, 66.8590**, and if you desaturate by 10%, it is **44.1514, 52.5410, 67.4898**.

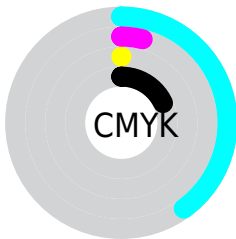
Distribution



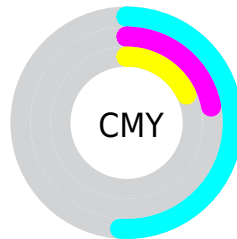
- Red (49%)
- Green (78%)
- Blue (82%)



- Red (49%)
- Yellow (64%)
- Blue (82%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (51%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2660, 49.7609, 67.1571 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 40.2660, 49.7609, 67.1571 by changing the saturation by 10% instead.

40.2660, 49.7609,
67.1571

40.2660, 49.7609,
67.1571

338.3587,
385.7302, 469.0205

27.9311, 35.2235,
48.7499

74.8502, 89.8205,
116.7883

18.4139, 23.8351,
34.0569

97.8302, 116.1115,
148.8493

11.3491, 15.2113,
22.6596

125.0893,
147.0891, 186.2988

6.3712, 8.9678,
14.1394

156.9928,
183.1377, 229.5551

3.1148, 4.7202,
8.0779

193.9062,
224.6417, 279.0369

1.2148, 2.0840,
4.0563

236.1947,

0.1180, 0.6556,

271.9855, 335.1627

1.6563

284.2238,
325.5535, 398.3511

■ 0.0000, 0.0000,
0.3305

■ 0.0000, 0.0000,
0.0000

■ 40.2660, 49.7609,
67.1571

■ 40.2660, 49.7609,
67.1571

■ 37.0271, 47.3278,
66.8590

■ 44.1514, 52.5410,
67.4898

■ 34.3901, 45.2152,
66.5903

■ 48.7154, 55.6813,
67.8554

■ 32.3121, 43.4021,
66.3498

■ 53.9933, 59.2011,
68.2566

■ 30.7421, 41.8621,
66.1353

■ 60.0167, 63.1167,
68.6949

■ 29.6200, 40.5643,
65.9439

■ 66.8150, 67.4435,
69.1718

■ 28.8362, 39.4520,
65.7706

■ 74.4165, 72.1959,
69.6884

■ 28.8290, 39.4415,
65.7689

■ 76.8719, 74.3072,
69.9665

■ 77.4493, 75.4620,
70.1590

■ 78.0347, 76.6328,
70.3541

Harmonies

Analogous

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



39.2749, 49.7609, 54.0132



40.2660, 49.7609, 67.1571



43.1136, 49.7609, 78.0815

Triad

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



40.2660, 49.7609, 67.1571



55.0356, 49.7609, 67.4936



47.3550, 49.7609, 33.2538

Complementary

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



40.2660, 49.7609, 67.1571



38.2399, 31.9413, 23.5529

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.



51.7410, 49.7609, 35.7356



40.2660, 49.7609, 67.1571



56.3415, 49.7609, 54.3494

Square

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



40.2660, 49.7609, 67.1571



51.6331, 49.7609, 78.2961



55.1006, 49.7609, 42.9946



43.2093, 49.7609, 35.6084

Rectangle

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



40.2660, 49.7609, 67.1571



45.7750, 49.7609, 81.9116



55.1006, 49.7609, 42.9946



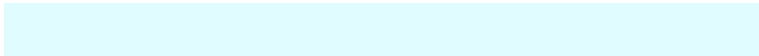
48.8508, 49.7609, 33.5436

Sweetspot

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



40.2675, 49.7628, 67.1583



83.6254, 92.5529, 108.0647



35.2687, 51.1745, 30.3190



17.6557, 19.6486, 23.1120



0.0000, 0.0000, 0.0000



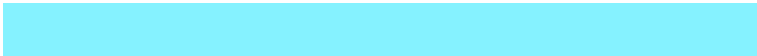
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2675, 49.7628, 67.1583



59.3319, 75.5181, 106.0571



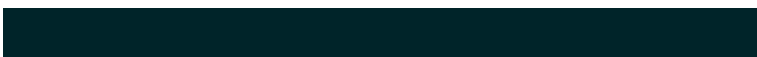
32.1047, 33.4372, 64.4373



12.0444, 13.1790, 15.1526



18.0109, 24.6685, 41.0047



1.0391, 1.4434, 2.3034

Inverse Universe

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



43.6561, 32.2018, 57.9497



65.5594, 44.3204, 88.8918



45.0062, 45.4738, 25.8084



12.2533, 11.9861, 14.6096



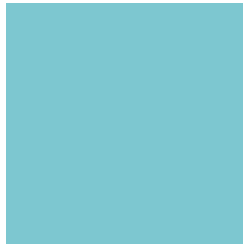
21.7218, 10.5616, 29.7710



1.2307, 0.5970, 1.7498

Previews

White Background



This preview shows how the XYZ color 40.2660, 49.7609, 67.1571 looks on a white background.

Color Contrast Check

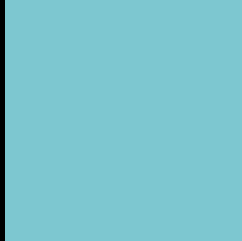
Large Text (above 18pt) WCAG AA × Fail

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 40.2660, 49.7609, 67.1571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

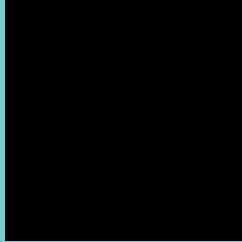
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2660, 49.7609, 67.1571

Background



This preview shows how black text looks on a background with the XYZ color 40.2660, 49.7609, 67.1571.



This preview shows how white text looks on a background with the XYZ color 40.2660, 49.7609,

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

40.2660, 49.7609, 67.1571

Protanopia

47.9075, 49.2605, 61.0161

Deuteranopia

50.3498, 49.4158, 69.1718



Tritanopia

41.0841, 49.7552, 71.0567

Trichromacy



Original Color

40.2660, 49.7609, 67.1571

Protanomaly

44.3840, 48.9837, 62.9926

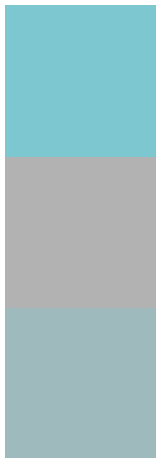
Deuteranomaly

45.8895, 48.9944, 68.6662

Tritanomaly

40.6819, 49.5773, 69.7126

Monochromacy



Original Color

40.2660, 49.7609, 67.1571

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.0423, 46.1629, 54.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2660, 49.7609, 67.1571 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(125, 199, 208)` looks like.

```
.text, #text, p{  
    color:rgb(125, 199, 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(125, 199, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 199, 208) }
```

Border

The CSS property to change the border of an element to XYZ 40.2660, 49.7609, 67.1571 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(125, 199, 208) }
```


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

```
.border{ border-color:rgb(125, 199, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 199, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 199, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 199, 208);  
box-shadow:4px 4px 4px 4px rgb(125, 199,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2660, 49.7609, 67.1571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 199, 208) }
```

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

```
.background{ background-color: rgb(125,  
199, 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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