

Converting Colors

XYZ(40.8709, 50.6534, 68.0095)

Have a look what the booklet for
XYZ(40.8709, 50.6534, 68.0095)
contains.

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Color

**XYZ(40.8527, 50.7367,
67.9616)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC9D1
RGB	125, 201, 209
RGB Percent	49%, 79%, 82%
CMY	0.5098, 0.2118, 0.1804
CMYK	0.40, 0.04, 0.00, 0.18
HSL	186°, 48%, 65%
HSV	186°, 40%, 82%
XYZ	40.8527, 50.7367, 67.9616
YIQ	179.1880, -47.8640, -13.6240

Conversions

Conversions Part 2

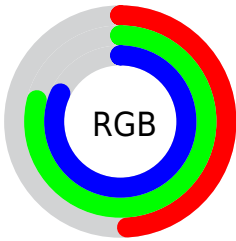
Format	Color
R _{YB}	125, 165, 209
Decimal	8243665
CIE _{Lab}	76.52, -21.45, -11.41
CIE _{LCh}	77, 24.295, 208.000
Y _{xy}	50.7367, 0.2560, 0.3180
Android (android.graphics.Color)	4286433745 (0xFF7DC9D1)
YUV	179.1880, 14.6973, -47.5229
Hunter-Lab	71.2297, -22.2760, -6.7089

Details

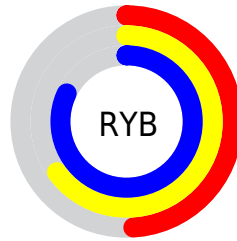
The XYZ color **40.8527, 50.7367, 67.9616** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.3845, 31.8117, 23.5204**, and the grayscale version is **42.8916, 45.1253, 49.1414**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **18.8044, 24.4992, 34.7481** is the 20% darker color. If you saturate the color by 10%, you get **37.6563, 48.4058, 67.6810**, and if you desaturate by 10%, it is **44.7002, 53.4145, 68.2766**.

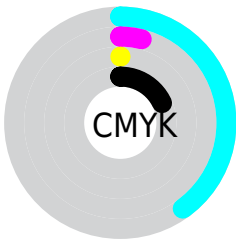
Distribution



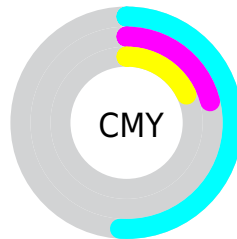
- Red (49%)
- Green (79%)
- Blue (82%)



- Red (49%)
- Yellow (65%)
- Blue (82%)



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



- Cyan (51%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8527, 50.7367, 67.9616 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 40.8527, 50.7367, 67.9616 by changing the saturation by 10% instead.

■ 40.8527, 50.7367,
67.9616

■ 40.8527, 50.7367,
67.9616

340.7777,
389.5399, 471.9543

■ 28.3912, 35.9991,
49.4000

■ 75.7364, 91.2655,
117.9509

■ 18.7627, 24.4335,
34.5691

■ 98.8892, 117.8254,
150.2157

■ 11.6019, 15.6555,
23.0502

■ 126.3365,
149.0949, 187.8853

■ 6.5435, 9.2807,
14.4249

158.4437,
185.4584, 231.3782

■ 3.2221, 4.9247,
8.2747

195.5760,
227.3003, 281.1131

■ 1.2723, 2.2032,
4.1809

238.0989,

■ 0.1623, 0.7217,

275.0049, 337.5083

1.7251

286.3777,
328.9566, 400.9826

■ 0.0000, 0.0000,
0.3779

■ 0.0000, 0.0000,
0.0000

■ 40.8527, 50.7367,
67.9616

■ 40.8527, 50.7367,
67.9616

■ 37.6563, 48.4058,
67.6810

■ 44.7002, 53.4145,
68.2766

■ 35.0656, 46.3950,
67.4295

■ 49.2311, 56.4524,
68.6241

■ 33.0371, 44.6827,
67.2059

■ 54.4814, 59.8702,
69.0071

■ 31.5190, 43.2424,
67.0079

■ 60.4829, 63.6842,
69.4270

■ 30.4501, 42.0425,
66.8326

■ 67.2658, 67.9101,
69.8851

■ 29.7282, 41.0423,
66.6776

■ 74.8583, 72.5624,
70.3830

■ 77.0323, 74.4306,
70.6290

■ 77.5419, 75.4498,
70.7989

■ 78.0578, 76.4815,
70.9708

Harmonies

Analogous

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



39.9407, 50.7367, 54.3674



40.8527, 50.7367, 67.9616



43.7023, 50.7367, 79.5341

Triad

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



40.8527, 50.7367, 67.9616



56.0911, 50.7367, 69.7285



48.5320, 50.7367, 33.6620

Complementary

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



40.8527, 50.7367, 67.9616



38.3845, 31.8117, 23.5204

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.



53.0467, 50.7367, 36.4831



40.8527, 50.7367, 67.9616



57.5793, 50.7367, 56.1293

Square

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



40.8527, 50.7367, 67.9616



52.4810, 50.7367, 80.6626



56.4320, 50.7367, 44.2204



44.2031, 50.7367, 35.8191

Rectangle

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



40.8527, 50.7367, 67.9616



46.4143, 50.7367, 83.7951



56.4320, 50.7367, 44.2204



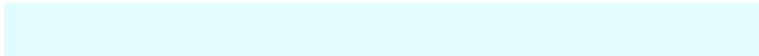
50.0795, 50.7367, 34.0489

Sweetspot

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



40.8542, 50.7387, 67.9628



83.7521, 92.8064, 108.1070



35.4239, 51.6279, 29.9292



17.6857, 19.7087, 23.1220



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.



40.8542, 50.7387, 67.9628



59.8140, 76.4823, 106.2178



32.5380, 34.1063, 65.1907



12.0582, 13.2066, 15.1572



18.3688, 25.3843, 41.1240



1.0557, 1.4766, 2.3089

Inverse Universe

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



44.1720, 32.4409, 59.1941



65.8028, 44.4177, 90.1733



45.1333, 45.3093, 25.7700



12.2603, 11.9888, 14.6463



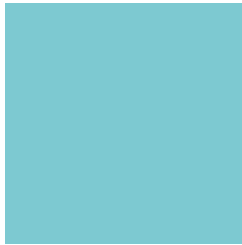
21.9025, 10.6338, 30.7223



1.2391, 0.6004, 1.7939

Previews

White Background



This preview shows how the XYZ color 40.8527, 50.7367, 67.9616 looks on a white background.

Color Contrast Check

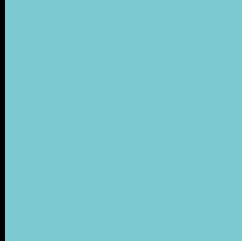
Large Text (above 18pt) WCAG AA × Fail

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 40.8527, 50.7367, 67.9616 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

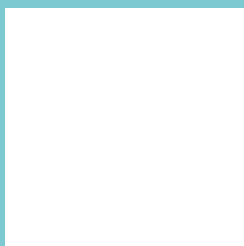
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8527, 50.7367, 67.9616

Background



This preview shows how black text looks on a background with the XYZ color 40.8527, 50.7367, 67.9616.

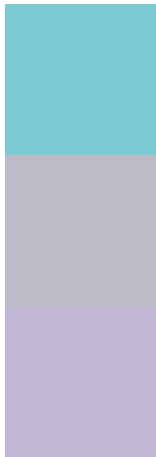


This preview shows how white text looks on a background with the XYZ color 40.8527, 50.7367,

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

40.8527, 50.7367, 67.9616

Protanopia

48.9347, 50.4021, 61.7930

Deuteranopia

51.1919, 50.1404, 69.9308



Tritanopia

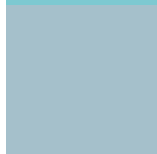
41.8013, 50.7784, 72.5638

Trichromacy



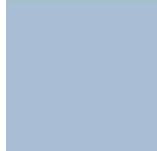
Original Color

40.8527, 50.7367, 67.9616



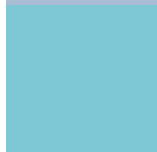
Protanomaly

45.1462, 50.0104, 63.7734



Deuteranomaly

46.6593, 50.0154, 69.4821



Tritanomaly

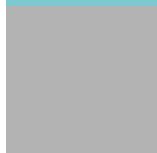
41.2687, 50.5483, 70.5325

Monochromacy



Original Color

40.8527, 50.7367, 67.9616



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

41.3627, 46.6293, 55.5355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8527, 50.7367, 67.9616 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, 201, 209)` looks like.

```
.text, #text, p{  
    color:rgb(125, 201, 209)  
}
```

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, 201, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 201, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.8527, 50.7367, 67.9616 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, 201, 209) }
```


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

```
.border{ border-color:rgb(125, 201, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 201, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 201, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 201, 209);  
box-shadow:4px 4px 4px 4px rgb(125, 201,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8527, 50.7367, 67.9616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 201, 209) }
```

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

```
.background{ background-color: rgb(125,  
201, 209) }
```

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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