

Converting Colors

XYZ(40.4382, 50.1493, 69.1765)

Have a look what the booklet for
XYZ(40.4382, 50.1493, 69.1765)
contains.

XYZ(40.4382, 50.1493, 69.1765)	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(40.4382, 50.1493,
69.1765)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC8D3
RGB	122, 200, 211
RGB Percent	48%, 78%, 83%
CMY	0.5216, 0.2157, 0.1725
CMYK	0.42, 0.05, 0.00, 0.17
HSL	187°, 50%, 65%
HSV	187°, 42%, 83%
XYZ	40.4382, 50.1493, 69.1765
YIQ	177.9320, -50.0190, -13.1150

Conversions

Conversions Part 2

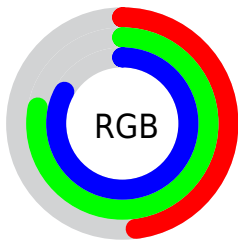
Format	Color
R _{YB}	122, 164, 211
Decimal	8046803
CIE _{Lab}	76.16, -21.19, -13.04
CIE _{LCh}	76, 24.877, 211.604
Y _{xy}	50.1493, 0.2531, 0.3139
Android (android.graphics.Color)	4286236883 (0xFF7AC8D3)
YUV	177.9320, 16.3025, -49.0524
Hunter-Lab	70.8162, -21.9993, -8.3459

Details

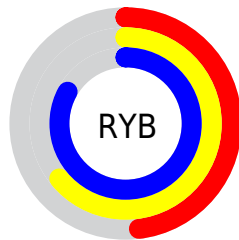
The XYZ color **40.4382, 50.1493, 69.1765** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.7652, 32.0299, 22.5529**, and the grayscale version is **42.2177, 44.4164, 48.3694**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **18.5264, 24.1163, 35.1310** is the 20% darker color. If you saturate the color by 10%, you get **37.1704, 47.5770, 68.8531**, and if you desaturate by 10%, it is **44.3679, 53.0805, 69.5360**.

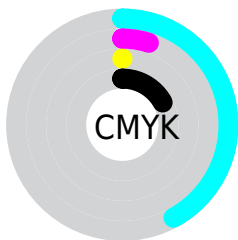
Distribution



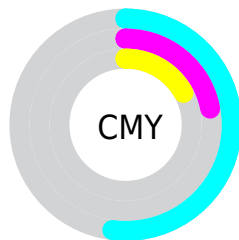
- Red (48%)
- Green (78%)
- Blue (83%)



- Red (48%)
- Yellow (64%)
- Blue (83%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (52%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4382, 50.1493, 69.1765 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 40.4382, 50.1493, 69.1765 by changing the saturation by 10% instead.

■ 40.4382, 50.1493,
69.1765

■ 40.4382, 50.1493,
69.1765

339.0699,
387.2495, 476.3640

■ 28.0661, 35.5320,
50.3828

■ 75.1104, 90.3960,
119.7037

■ 18.5162, 24.0730,
35.3444

■ 98.1413, 116.7943,
152.2743

■ 11.4231, 15.3878,
23.6426

■ 125.4557,
147.8884, 190.2743

■ 6.4216, 9.0920,
14.8590

157.4192,
184.0627, 234.1222

■ 3.1462, 4.8012,
8.5749

194.3970,
225.7015, 284.2366

■ 1.2315, 2.1311,
4.3720

236.7545,

■ 0.1310, 0.6820,

273.1893, 341.0360

1.8315

284.8570,
326.9105, 404.9390

■ 0.0000, 0.0000,
0.4486

■ 0.0000, 0.0000,
0.0000

■ 40.4382, 50.1493,
69.1765

■ 40.4382, 50.1493,
69.1765

■ 37.1704, 47.5770,
68.8531

■ 44.3679, 53.0805,
69.5360

■ 34.5175, 45.3357,
68.5603

■ 48.9937, 56.3847,
69.9300

■ 32.4336, 43.4029,
68.2971

■ 54.3526, 60.0823,
70.3613

■ 30.8641, 41.7503,
68.0608

■ 60.4778, 64.1904,
70.8314

■ 29.7436, 40.3442,
67.8485

■ 67.4005, 68.7253,
71.3418

■ 29.0917, 39.3705,
67.6949

■ 75.1500, 73.7021,
71.8940

■ 78.1358, 76.2387,
72.2263

■ 78.8184, 77.6039,
72.4538

■ 79.5116, 78.9904,
72.6849

Harmonies

Analogous

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



39.2627, 50.1493, 55.3251



40.4382, 50.1493, 69.1765



43.5324, 50.1493, 80.4140

Triad

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



40.4382, 50.1493, 69.1765



55.9847, 50.1493, 67.7309



47.4152, 50.1493, 32.7708

Complementary

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



40.4382, 50.1493, 69.1765



38.7652, 32.0299, 22.5529

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.



52.0521, 50.1493, 35.0081



40.4382, 50.1493, 69.1765



57.1888, 50.1493, 53.8893

Square

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



40.4382, 50.1493, 69.1765



52.5138, 50.1493, 79.4884



55.7062, 50.1493, 42.2369



43.1250, 50.1493, 35.5446

Rectangle

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



40.4382, 50.1493, 69.1765



46.3698, 50.1493, 84.1075



55.7062, 50.1493, 42.2369



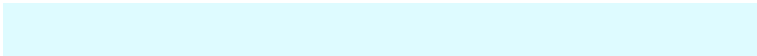
48.9849, 50.1493, 32.9595

Sweetspot

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



40.4397, 50.1513, 69.1777



82.5953, 91.6600, 107.9467



35.5126, 52.4036, 30.2121



17.2698, 19.3393, 23.0726



0.0000, 0.0000, 0.0000



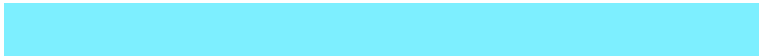
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4397, 50.1513, 69.1777



57.3459, 73.2677, 105.7274



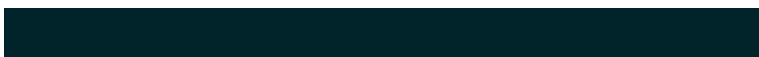
31.6932, 32.6582, 66.2622



12.0285, 13.1473, 15.1474



17.6079, 23.8624, 40.8704



1.0203, 1.4059, 2.2971

Inverse Universe

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



44.2501, 31.9394, 58.4784



64.1368, 42.1424, 86.3603



46.0770, 46.6535, 24.9901



12.2453, 11.9829, 14.5675



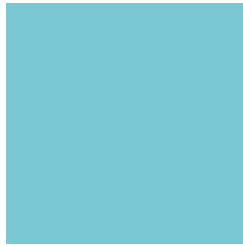
21.5184, 10.4802, 28.6996



1.2212, 0.5932, 1.6999

Previews

White Background



This preview shows how the XYZ color 40.4382, 50.1493, 69.1765 looks on a white background.

Color Contrast Check

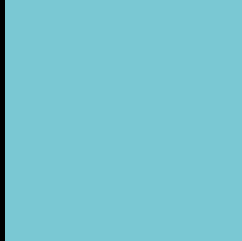
Large Text (above 18pt) WCAG AA × Fail

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 40.4382, 50.1493, 69.1765 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 40.4382, 50.1493, 69.1765

Background



This preview shows how black text looks on a background with the XYZ color 40.4382, 50.1493, 69.1765.

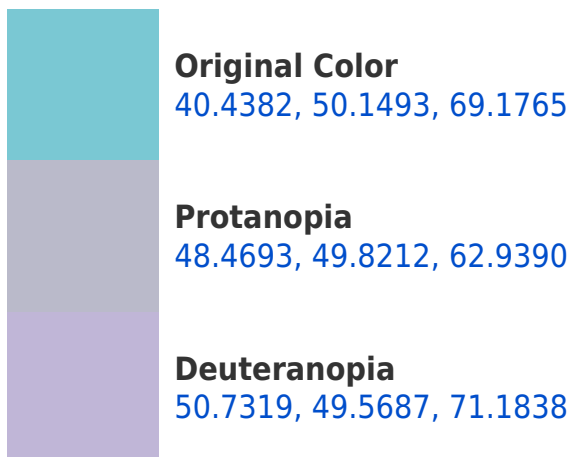


This preview shows how white text looks on a background with the XYZ color 40.4382, 50.1493,

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





Tritanopia

40.8575, 49.9641, 71.7806

Trichromacy



Original Color

40.4382, 50.1493, 69.1765

Protanomaly

44.7545, 49.4559, 64.9447

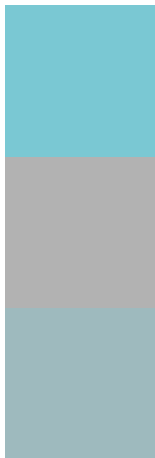
Deuteranomaly

46.2715, 49.4657, 70.7274

Tritanomaly

40.7294, 49.9128, 71.1058

Monochromacy



Original Color

40.4382, 50.1493, 69.1765

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.9537, 46.1046, 55.4558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4382, 50.1493, 69.1765 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(122, 200, 211)` looks like.

```
.text, #text, p{  
    color:rgb(122, 200, 211)  
}
```

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(122, 200, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 200, 211) }
```

Border

The CSS property to change the border of an element to XYZ 40.4382, 50.1493, 69.1765 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(122, 200, 211) }
```


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

```
.border{ border-color:rgb(122, 200, 211) }
```

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

Here you see how a box with a 4 pixel rgb(122, 200, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 200, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 200, 211);  
box-shadow:4px 4px 4px 4px rgb(122, 200,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4382, 50.1493, 69.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 200, 211) }
```

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

```
.background{ background-color: rgb(122,  
200, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor