

Converting Colors

XYZ(40.3263, 48.4005, 68.8449)

Have a look what the booklet for
XYZ(40.3263, 48.4005, 68.8449)
contains.

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Color

**XYZ(40.3262, 48.4005,
68.8448)**

Conversions

Conversions Part 1

Format	Color
Hex	81C3D3
RGB	129, 195, 211
RGB Percent	51%, 76%, 83%
CMY	0.4941, 0.2353, 0.1725
CMYK	0.39, 0.08, 0.00, 0.17
HSL	192°, 48%, 67%
HSV	192°, 39%, 83%
XYZ	40.3262, 48.4005, 68.8448
YIQ	177.0900, -44.4720, -9.0160

Conversions

Conversions Part 2

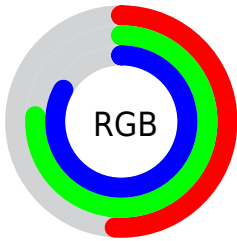
Format	Color
RYB	129, 166, 211
Decimal	8504275
CIELab	75.08, -16.86, -14.63
CIELCh	75, 22.324, 220.946
Yxy	48.4005, 0.2559, 0.3072
Android (android.graphics.Color)	4286694355 (0xFF81C3D3)
YUV	177.0900, 16.7176, -42.1749
Hunter-Lab	69.5705, -18.2816, -9.9722

Details

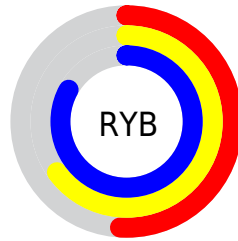
The XYZ color **40.3262, 48.4005, 68.8448** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9525, 35.6852, 25.4995**, and the grayscale version is **41.7701, 43.9454, 47.8565**.

A 20% lighter version of the original color is **72.8680, 87.1551, 107.5898**, and **18.3497, 22.9059, 34.9066** is the 20% darker color. If you saturate the color by 10%, you get **36.5367, 45.0976, 68.4078**, and if you desaturate by 10%, it is **44.8058, 52.0992, 69.3235**.

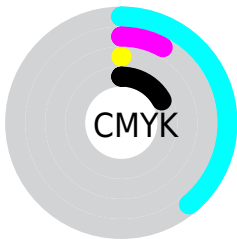
Distribution



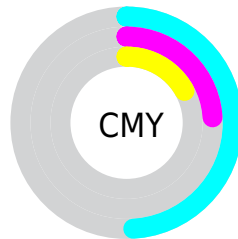
- Red (51%)
- Green (76%)
- Blue (83%)



- Red (51%)
- Yellow (65%)
- Blue (83%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (49%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3262, 48.4005, 68.8448 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 40.3262, 48.4005, 68.8448 by changing the saturation by 10% instead.

40.3262, 48.4005,
68.8448

40.3262, 48.4005,
68.8448

338.6074,
380.3774, 475.1625

27.9783, 34.1442,
50.1144

74.9412, 87.8004,
119.2255

18.4497, 23.0044,
35.1324

97.9390, 113.7128,
151.7128

11.3750, 14.5967,
23.4806

125.2174,
144.2793, 189.6228

6.3888, 8.5369,
14.7401

157.1419,
179.8843, 233.3741

3.1258, 4.4403,
8.4926

194.0778,
220.9122, 283.3852

1.2206, 1.9228,
4.3195

236.3905,

0.1226, 0.5620,

267.7474, 340.0746

1.8022

284.4452,
320.7744, 403.8608

■ 0.0000, 0.0000,
0.4294

■ 0.0000, 0.0000,
0.0000

■ 40.3262, 48.4005,
68.8448

■ 40.3262, 48.4005,
68.8448

■ 36.5367, 45.0976,
68.4078

■ 44.8058, 52.0992,
69.3235

■ 33.3918, 42.1632,
68.0072

■ 50.0089, 56.2078,
69.8423

■ 30.8470, 39.5755,
67.6418

■ 55.9718, 60.7464,
70.4040

■ 28.8503, 37.3071,
67.3092

■ 62.7271, 65.7322,
71.0103

■ 27.3404, 35.3262,
67.0065

■ 70.3055, 71.1812,
71.6627

■ 26.2199, 33.5822,
66.7289

■ 78.5134, 76.9939,
72.3520

■ 26.1019, 33.3909,
66.6982

■ 79.6053, 79.1777,
72.7160

■ 80.7239, 81.4150,
73.0889

■ 81.8696, 83.7063,
73.4708

Harmonies

Analogous

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



38.7200, 48.4005, 57.0839



40.3262, 48.4005, 68.8448



43.4883, 48.4005, 76.9278

Triad

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



40.3262, 48.4005, 68.8448



53.8273, 48.4005, 60.3836



44.5291, 48.4005, 33.5691

Complementary

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



40.3262, 48.4005, 68.8448



40.9525, 35.6852, 25.4995

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.



48.6133, 48.4005, 34.1818



40.3262, 48.4005, 68.8448



54.1469, 48.4005, 48.5463

Square

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



40.3262, 48.4005, 68.8448



51.3405, 48.4005, 71.5656



52.1895, 48.4005, 39.2998



41.0493, 48.4005, 37.4804

Rectangle

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



40.3262, 48.4005, 68.8448



46.1329, 48.4005, 78.5195



52.1895, 48.4005, 39.2998



45.8738, 48.4005, 33.2695

Sweetspot

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



40.3277, 48.4024, 68.8459



82.7995, 90.9012, 107.7894



37.3851, 53.2713, 34.7120



17.4602, 19.2577, 23.0468



0.0000, 0.0000, 0.0000



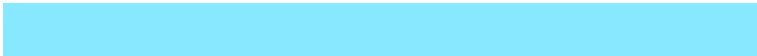
20.3446, 21.4041, 23.3091

Same Dimension

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



40.3277, 48.4024, 68.8459



56.8149, 69.8814, 105.1017



32.5280, 32.8031, 66.2460



11.9542, 12.9987, 15.1226



15.8249, 20.2963, 40.2760



0.9362, 1.2376, 2.2691

Inverse Universe

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



44.5657, 33.4907, 55.7473



64.4361, 44.4343, 81.2398



48.1833, 50.1468, 27.9098



12.2078, 11.9679, 14.3701



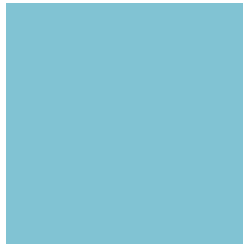
20.6184, 10.1202, 23.9603



1.1788, 0.5762, 1.4762

Previews

White Background



This preview shows how the XYZ color 40.3262, 48.4005, 68.8448 looks on a white background.

Color Contrast Check

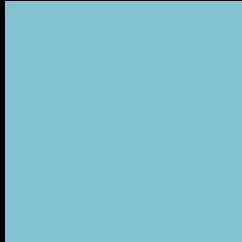
Large Text (above 18pt) WCAG AA × Fail

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 40.3262, 48.4005, 68.8448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

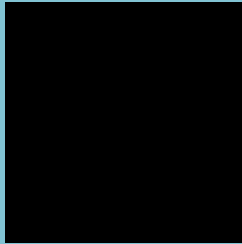
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3262, 48.4005, 68.8448

Background



This preview shows how black text looks on a background with the XYZ color 40.3262, 48.4005, 68.8448.



This preview shows how white text looks on a background with the XYZ color 40.3262, 48.4005,

68.8448.

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

40.3262, 48.4005, 68.8448

Protanopia

47.0044, 48.1239, 63.3113

Deuteranopia

48.9524, 48.0624, 70.3152



Tritanopia

40.3262, 48.4005, 68.8448

Trichromacy



Original Color

40.3262, 48.4005, 68.8448

Protanomaly

44.0152, 47.7834, 65.2958

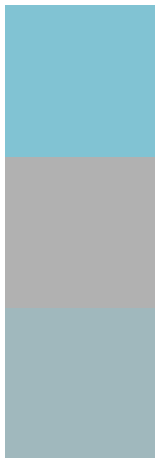
Deuteranomaly

45.0851, 47.6090, 69.7640

Tritanomaly

40.3262, 48.4005, 68.8448

Monochromacy



Original Color

40.3262, 48.4005, 68.8448

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.8230, 45.4287, 54.7611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3262, 48.4005, 68.8448 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(129, 195, 211)` looks like.

```
.text, #text, p{  
    color:rgb(129, 195, 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(129, 195, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 195, 211) }
```

Border

The CSS property to change the border of an element to XYZ 40.3262, 48.4005, 68.8448 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(129, 195, 211) }
```


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

```
.border{ border-color:rgb(129, 195, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 195, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 195, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 195, 211);  
box-shadow:4px 4px 4px 4px rgb(129, 195,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3262, 48.4005, 68.8448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 195, 211) }
```

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

```
.background{ background-color: rgb(129,  
195, 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](#).

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