

Converting Colors

XYZ(40.5562, 50.1721, 41.8227)

Have a look what the booklet for
XYZ(40.5562, 50.1721, 41.8227)
contains.

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Color

**XYZ(40.4260, 50.0647,
41.7152)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC6A2
RGB	156, 198, 162
RGB Percent	61%, 78%, 64%
CMY	0.3882, 0.2235, 0.3647
CMYK	0.21, 0.00, 0.18, 0.22
HSL	129°, 27%, 69%
HSV	129°, 21%, 78%
XYZ	40.4260, 50.0647, 41.7152
YIQ	181.3380, -13.4760, -20.1000

Conversions

Conversions Part 2

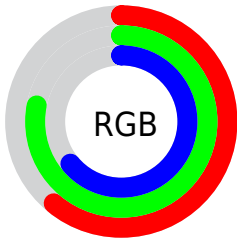
Format	Color
RYB	156, 193, 198
Decimal	10274466
CIELab	76.11, -21.00, 13.55
CIELCh	76, 24.993, 147.170
Yxy	50.0647, 0.3058, 0.3787
Android (android.graphics.Color)	4288464546 (0xFF9CC6A2)
YUV	181.3380, -9.5336, -22.2214
Hunter-Lab	70.7564, -21.8395, 14.5744

Details

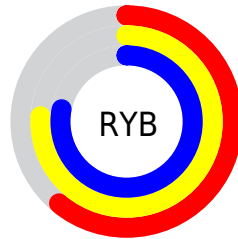
The XYZ color **40.4260, 50.0647, 41.7152** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6934, 39.5897, 55.1574**, and the grayscale version is **44.1603, 46.4600, 50.5950**.

A 20% lighter version of the original color is **75.1484, 90.3786, 79.1297**, and **18.4967, 24.0154, 18.4124** is the 20% darker color. If you saturate the color by 10%, you get **35.4942, 47.6864, 34.1338**, and if you desaturate by 10%, it is **46.1888, 52.8507, 50.4006**.

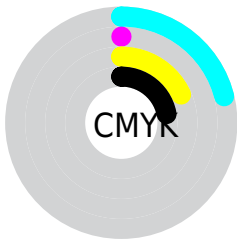
Distribution



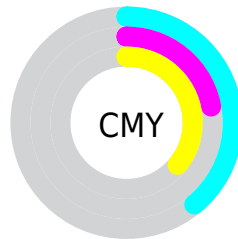
- Red (61%)
- Green (78%)
- Blue (64%)



- Red (61%)
- Yellow (76%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)





- Cyan (39%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4260, 50.0647, 41.7152 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 40.4260, 50.0647, 41.7152 by changing the saturation by 10% instead.


 40.4260, 50.0647,
41.7152


 40.4260, 50.0647,
41.7152


339.0195,
386.9189, 369.0657

 28.0565, 35.4648,
28.5544

 75.0920, 90.2707,
79.0338

 18.5090, 24.0211,
18.5014


 98.1192, 116.6457,
104.0288

 11.4179, 15.3493,
11.1374


125.4298,
147.7144, 133.8056

 6.4180, 9.0649,
6.0440

157.3890,
183.8613, 168.7827

 3.1439, 4.7835,
2.8026

194.3622,
225.4708, 209.3788

 1.2303, 2.1208,
0.9948

236.7148,

 0.1301, 0.6763,

272.9274, 256.0123

0.0000

284.8121,
326.6152, 309.1018

■ 0.0000, 0.0000,
0.0000

■ 40.4260, 50.0647,
41.7152

■ 40.4260, 50.0647,
41.7152

■ 35.4942, 47.6864,
34.1338

■ 46.1888, 52.8507,
50.4006

■ 31.3510, 45.6906,
27.6089

■ 52.8142, 56.0556,
60.2282

■ 27.9563, 44.0591,
22.0946

■ 60.3375, 59.6981,
71.2385

■ 25.2650, 42.7697,
17.5403

■ 68.7904, 63.7938,
83.4691

■ 23.2269, 41.7977,
13.8911

■ 78.2021, 68.3569,
96.9558

■ 21.7853, 41.1151,
11.0864

■ 79.4850, 68.8701,
103.7117

■ 20.8731, 40.6888,
9.0583

■ 20.4081, 40.4753,
7.8535

Harmonies

Analogous

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



43.5982, 50.0647, 34.6709



40.4260, 50.0647, 41.7152



39.1617, 50.0647, 53.2511

Triad

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



40.4260, 50.0647, 41.7152



47.1427, 50.0647, 84.4703



56.0362, 50.0647, 43.5838

Complementary

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



40.4260, 50.0647, 41.7152



44.6934, 39.5897, 55.1574

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.



57.1370, 50.0647, 55.7926



40.4260, 50.0647, 41.7152



51.8077, 50.0647, 80.7649

Square

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



40.4260, 50.0647, 41.7152



42.8772, 50.0647, 79.1247



55.5429, 50.0647, 69.6898



52.6253, 50.0647, 35.6192

Rectangle

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



40.4260, 50.0647, 41.7152



39.5048, 50.0647, 62.4683



55.5429, 50.0647, 69.6898



56.6980, 50.0647, 47.2616

Sweetspot

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



40.4273, 50.0668, 41.7163



87.6032, 96.3967, 97.9036



48.0365, 54.0497, 39.3540



18.5847, 20.5526, 20.7091



0.0000, 0.0000, 0.0000



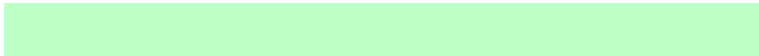
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4273, 50.0668, 41.7163



67.7759, 86.8156, 68.0474



42.4116, 50.8605, 52.1652



10.5582, 11.9122, 11.6235



13.2906, 26.3286, 5.2086



0.6498, 1.2548, 0.3544

Inverse Universe

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



44.6934, 39.5897, 55.1574



76.5435, 65.2780, 95.6684



42.5676, 38.7394, 43.9634



11.0154, 10.7896, 13.0646



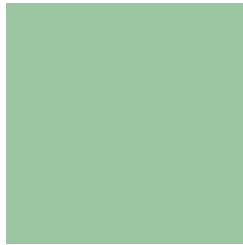
19.8705, 9.6978, 25.5916



0.9592, 0.4665, 1.3084

Previews

White Background



This preview shows how the XYZ color 40.4260, 50.0647, 41.7152 looks on a white background.

Color Contrast Check

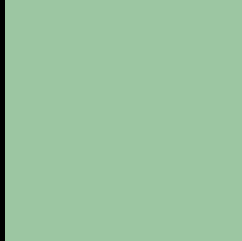
Large Text (above 18pt) WCAG AA × Fail

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 40.4260, 50.0647, 41.7152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

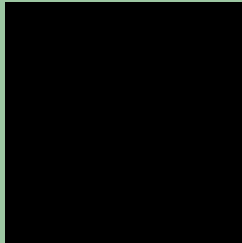
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4260, 50.0647, 41.7152

Background



This preview shows how black text looks on a background with the XYZ color 40.4260, 50.0647, 41.7152.



This preview shows how white text looks on a background with the XYZ color 40.4260, 50.0647,

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

40.4260, 50.0647, 41.7152

Protanopia

46.7970, 49.8113, 38.6006

Deuteranopia

50.6448, 49.5418, 42.9697



Tritanopia

45.4220, 50.0968, 66.3071

Trichromacy



Original Color

40.4260, 50.0647, 41.7152

Protanomaly

44.0938, 49.6753, 39.6121

Deuteranomaly

46.3001, 49.4637, 42.7045

Tritanomaly

43.3937, 49.9222, 56.6391

Monochromacy



Original Color

40.4260, 50.0647, 41.7152

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.4236, 47.3673, 46.9512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4260, 50.0647, 41.7152 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(156, 198, 162)` looks like.

```
.text, #text, p{  
    color:rgb(156, 198, 162)  
}
```

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(156, 198, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 198, 162) }
```

Border

The CSS property to change the border of an element to XYZ 40.4260, 50.0647, 41.7152 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(156, 198, 162) }
```


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

```
.border{ border-color:rgb(156, 198, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 198, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 198, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 198, 162);  
box-shadow:4px 4px 4px 4px rgb(156, 198,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4260, 50.0647, 41.7152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 198, 162) }
```

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

```
.background{ background-color: rgb(156,  
198, 162) }
```

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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