

Converting Colors

XYZ(40.0641, 48.7808, 27.5542)

Have a look what the booklet for
XYZ(40.0641, 48.7808, 27.5542)
contains.

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Color

**XYZ(40.2013, 48.9127,
27.7443)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC280
RGB	172, 194, 128
RGB Percent	67%, 76%, 50%
CMY	0.3255, 0.2392, 0.4980
CMYK	0.11, 0.00, 0.34, 0.24
HSL	80°, 35%, 63%
HSV	80°, 34%, 76%
XYZ	40.2013, 48.9127, 27.7443
YIQ	179.8980, 8.0740, -25.1900

Conversions

Conversions Part 2

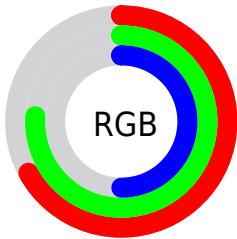
Format	Color
RYB	128, 194, 150
Decimal	11321984
CIELab	75.40, -18.63, 30.79
CIELCh	75, 35.985, 121.181
Yxy	48.9127, 0.3440, 0.4186
Android (android.graphics.Color)	4289512064 (0xFFACC280)
YUV	179.8980, -25.5857, -6.9265
Hunter-Lab	69.9376, -19.7861, 25.4359

Details

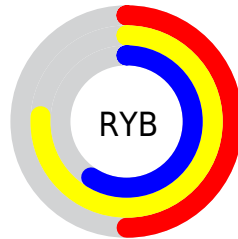
The XYZ color **40.2013, 48.9127, 27.7443** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.0364, 25.8187, 54.4420**, and the grayscale version is **43.4586, 45.7219, 49.7911**.

A 20% lighter version of the original color is **74.8326, 88.8245, 56.9168**, and **18.3610, 23.2282, 10.7235** is the 20% darker color. If you saturate the color by 10%, you get **37.6598, 47.7377, 21.5852**, and if you desaturate by 10%, it is **43.0586, 50.2253, 35.1946**.

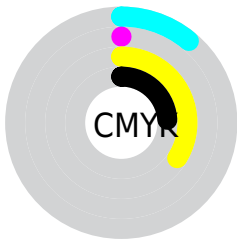
Distribution



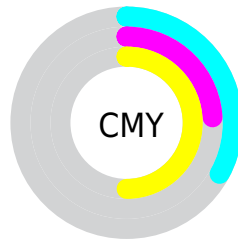
- Red (67%)
- Green (76%)
- Blue (50%)



- Red (50%)
- Yellow (76%)
- Blue (59%)



- Cyan (11%)
- Magenta (0%)
- Yellow (34%)
- Black (24%)



- Cyan (33%)
- Magenta (24%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2013, 48.9127, 27.7443 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 40.2013, 48.9127, 27.7443 by changing the saturation by 10% instead.

■ 40.2013, 48.9127,
27.7443

■ 40.2013, 48.9127,
27.7443

338.0912,
382.3985, 305.1165

■ 27.8804, 34.5502,
17.8956

■ 74.7523, 88.5618,
57.0941

■ 18.3755, 23.3166,
10.7064

■ 97.7132, 114.6172,
77.4324

■ 11.3213, 14.8275,
5.7581

■ 124.9515,
145.3390, 102.1042

■ 6.3522, 8.6984,
2.6322

156.8325,
181.1117, 131.5282

■ 3.1031, 4.5450,
0.9090

193.7217,
222.3196, 166.1229

■ 1.2085, 1.9828,
0.0000

235.9842,

■ 0.1131, 0.5975,

269.3471, 206.3068

0.0000

283.9856,
322.5786, 252.4985

■ 0.0000, 0.0000,
0.0000

■ 40.2013, 48.9127,
27.7443

■ 40.2013, 48.9127,
27.7443

■ 37.6598, 47.7377,
21.5852

■ 43.0586, 50.2253,
35.1946

■ 35.4153, 46.6878,
16.6406

■ 46.2418, 51.6747,
44.0007

■ 33.4529, 45.7584,
12.8305


■ 49.7649, 53.2682,
54.2267


■ 31.7542, 44.9422,
10.0642


■ 53.6401, 55.0109,
65.9315


■ 30.2983, 44.2306,
8.2368


■ 57.8789, 56.9075,
79.1709

 29.0602, 43.6135,
7.2217

 62.4922, 58.9623,
93.9976

 28.3957, 43.2783,
6.8569

 66.0399, 60.5995,
102.8239

 68.0036, 61.6118,
102.9158

 70.0436, 62.6635,
103.0113

Harmonies

Analogous

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



46.2281, 48.9127, 24.4745



40.2013, 48.9127, 27.7443



36.1978, 48.9127, 37.5350

Triad

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



40.2013, 48.9127, 27.7443



40.6154, 48.9127, 92.0460



60.4255, 48.9127, 52.5094

Complementary

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



40.2013, 48.9127, 27.7443



30.0364, 25.8187, 54.4420

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.



58.5688, 48.9127, 72.8523



40.2013, 48.9127, 27.7443



46.7530, 48.9127, 98.6969

Square

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



40.2013, 48.9127, 27.7443



36.4204, 48.9127, 74.4687



53.4027, 48.9127, 90.9675



58.2632, 48.9127, 36.5132

Rectangle

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



40.2013, 48.9127, 27.7443



35.0032, 48.9127, 47.8573



53.4027, 48.9127, 90.9675



60.2495, 48.9127, 59.0496

Sweetspot

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



40.2025, 48.9149, 27.7453



86.1653, 94.7003, 86.5591



37.0525, 34.8421, 25.1951



18.6726, 20.6493, 18.3892



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.



40.2025, 48.9149, 27.7453



69.2688, 86.9686, 41.5467



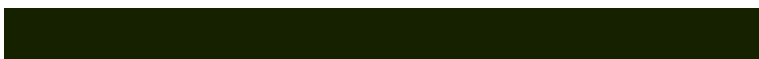
33.8371, 45.6333, 27.4474



10.5766, 11.5847, 10.7405



18.7582, 28.4991, 4.5122



0.8811, 1.2678, 0.1983

Inverse Universe

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



30.0364, 25.8187, 54.4420



48.0171, 38.6573, 97.4006



36.9870, 29.4019, 54.7673



9.8377, 9.9075, 12.6787



7.8999, 3.3330, 33.7836



0.4153, 0.1821, 1.4632

Previews

White Background



This preview shows how the XYZ color 40.2013, 48.9127, 27.7443 looks on a white background.

Color Contrast Check

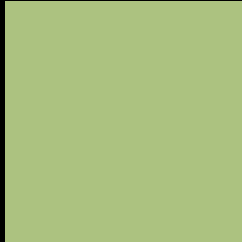
Large Text (above 18pt) WCAG AA × Fail

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 40.2013, 48.9127, 27.7443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

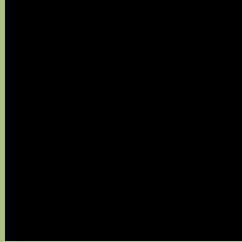
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2013, 48.9127, 27.7443

Background



This preview shows how black text looks on a background with the XYZ color 40.2013, 48.9127, 27.7443.



This preview shows how white text looks on a background with the XYZ color 40.2013, 48.9127,

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

40.2013, 48.9127, 27.7443

Protanopia

45.0744, 48.5707, 26.0682

Deuteranopia

49.6005, 48.7224, 28.6199



Tritanopia

47.0657, 48.8131, 61.5848

Trichromacy



Original Color

40.2013, 48.9127, 27.7443

Protanomaly

42.9201, 48.3943, 26.4809

Deuteranomaly

45.8658, 48.6162, 28.4392

Tritanomaly

43.9833, 48.4874, 47.0852

Monochromacy



Original Color

40.2013, 48.9127, 27.7443

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.9134, 46.6182, 40.5074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2013, 48.9127, 27.7443 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(172, 194, 128)` looks like.

```
.text, #text, p{  
    color:rgb(172, 194, 128)  
}
```

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(172, 194, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 194, 128) }
```

Border

The CSS property to change the border of an element to XYZ 40.2013, 48.9127, 27.7443 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(172, 194, 128) }
```


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

```
.border{ border-color:rgb(172, 194, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 194, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 194, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 194, 128);  
box-shadow:4px 4px 4px 4px rgb(172, 194,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2013, 48.9127, 27.7443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 194, 128) }
```

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

```
.background{ background-color: rgb(172,  
194, 128) }
```

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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