

Converting Colors

XYZ(41.1387, 48.7068, 29.2829)

Have a look what the booklet for
XYZ(41.1387, 48.7068, 29.2829)
contains.

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Color

**XYZ(41.2147, 48.7398,
29.4258)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C085
RGB	177, 192, 133
RGB Percent	69%, 75%, 52%
CMY	0.3059, 0.2470, 0.4784
CMYK	0.08, 0.00, 0.31, 0.25
HSL	75°, 32%, 64%
HSV	75°, 31%, 75%
XYZ	41.2147, 48.7398, 29.4258
YIQ	180.7890, 9.9990, -21.5290

Conversions

Conversions Part 2

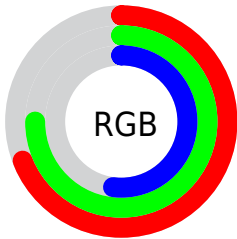
Format	Color
R_{YB}	133, 192, 148
Decimal	11649157
CIE _{Lab}	75.29, -15.04, 28.09
CIE _{LCh}	75, 31.861, 118.164
Yxy	48.7398, 0.3452, 0.4083
Android (android.graphics.Color)	4289839237 (0xFFB1C085)
YUV	180.7890, -23.5600, -3.3230
Hunter-Lab	69.8139, -16.7967, 23.8796

Details

The XYZ color **41.2147, 48.7398, 29.4258** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.1166, 26.8781, 53.4725**, and the grayscale version is **43.9275, 46.2151, 50.3282**.

A 20% lighter version of the original color is **76.1413, 88.0463, 59.9953**, and **19.1061, 23.3749, 11.6884** is the 20% darker color. If you saturate the color by 10%, you get **38.9157, 47.6957, 23.0155**, and if you desaturate by 10%, it is **43.7985, 49.9058, 37.1171**.

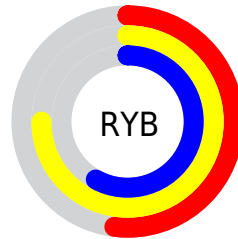
Distribution



Red (69%)

Green (75%)

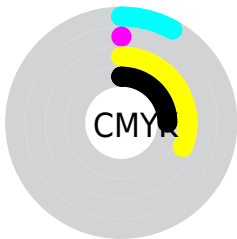
Blue (52%)



Red (52%)

Yellow (75%)

Blue (58%)

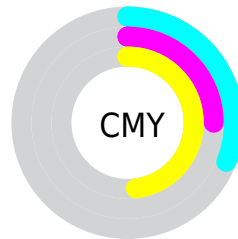


Cyan (8%)

Magenta (0%)

Yellow (31%)

Black (25%)



Cyan (31%)

Magenta (25%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2147, 48.7398, 29.4258 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 41.2147, 48.7398, 29.4258 by changing the saturation by 10% instead.

■ 41.2147, 48.7398,
29.4258

■ 41.2147, 48.7398,
29.4258

342.2644,
381.7171, 313.3423

■ 28.6753, 34.4131,
19.1548

■ 76.2824, 88.3049,
59.8032

■ 18.9784, 23.2111,
11.6043

■ 99.5413, 114.3121,
80.7466

■ 11.7586, 14.7495,
6.3556

■ 127.1042,
144.9815, 106.0846

■ 6.6505, 8.6438,
2.9902

159.3363,
180.6977, 136.2358

■ 3.2889, 4.5096,
1.0896

196.6030,
221.8449, 171.6186

■ 1.3083, 1.9625,
0.0000

239.2697,

■ 0.1894, 0.5855,

268.8076, 212.6516

0.0000

287.7017,
321.9702, 259.7533

■ 0.0000, 0.0000,
0.0000

■ 41.2147, 48.7398,
29.4258

■ 41.2147, 48.7398,
29.4258

■ 38.9157, 47.6957,
23.0155

■ 43.7985, 49.9058,
37.1171

■ 36.8841, 46.7614,
17.8135

■ 46.6760, 51.1922,
46.1507

■ 35.1063, 45.9331,
13.7444


■ 49.8603, 52.6061,
56.5877


■ 33.5658, 45.2042,
10.7233


■ 53.3624, 54.1518,
68.4845


■ 32.2436, 44.5670,
8.6531


■ 57.1929, 55.8336,
81.8945


 31.1175, 44.0127,
7.4189

 61.3617, 57.6556,
96.8681

 30.2091, 43.5568,
6.8151

 63.8160, 58.7967,
102.5932

 65.2378, 59.5297,
102.6597

 66.7025, 60.2848,
102.7283

Harmonies

Analogous

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



46.6872, 48.7398, 26.9354



41.2147, 48.7398, 29.4258



37.4081, 48.7398, 37.8199

Triad

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



41.2147, 48.7398, 29.4258



40.6397, 48.7398, 85.4277



58.5079, 48.7398, 54.1087

Complementary

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



41.2147, 48.7398, 29.4258



30.1166, 26.8781, 53.4725

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.



56.5587, 48.7398, 71.9494



41.2147, 48.7398, 29.4258



45.9661, 48.7398, 92.2377

Square

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



41.2147, 48.7398, 29.4258



37.0963, 48.7398, 69.7805



51.8427, 48.7398, 86.8539



56.9716, 48.7398, 39.2649

Rectangle

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



41.2147, 48.7398, 29.4258



36.1616, 48.7398, 46.7296



51.8427, 48.7398, 86.8539



58.2355, 48.7398, 59.9581

Sweetspot

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



41.2159, 48.7420, 29.4268



85.4471, 93.1432, 86.4442



36.5243, 34.0029, 26.8292



18.1569, 19.9047, 17.9833



92.9021, 97.7402, 106.4391



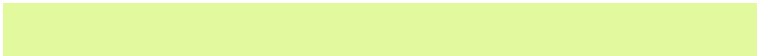
19.4759, 20.4902, 22.3138

Same Dimension

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



41.2159, 48.7420, 29.4268



71.7631, 86.9897, 45.1026



35.2525, 45.6677, 29.1478



10.6553, 11.6253, 10.7442



20.4013, 29.3461, 4.5891



0.9421, 1.2992, 0.2011

Inverse Universe

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



30.1166, 26.8781, 53.4725



48.4151, 40.9757, 95.7176



36.0921, 29.9585, 53.7522



9.7631, 9.8690, 12.6752



7.3108, 3.0293, 33.7560



0.3821, 0.1650, 1.4616

Previews

White Background



This preview shows how the XYZ color 41.2147, 48.7398, 29.4258 looks on a white background.

Color Contrast Check

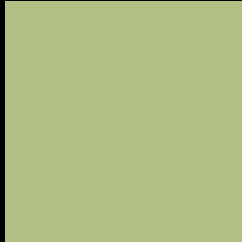
Large Text (above 18pt) WCAG AA × Fail

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 41.2147, 48.7398, 29.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

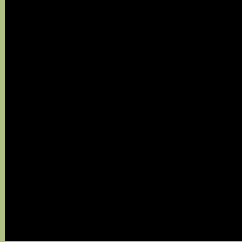
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2147, 48.7398, 29.4258

Background



This preview shows how black text looks on a background with the XYZ color 41.2147, 48.7398, 29.4258.



This preview shows how white text looks on a background with the XYZ color 41.2147, 48.7398,

29.4258.

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

41.2147, 48.7398, 29.4258

Protanopia

45.1976, 48.5890, 28.1155

Deuteranopia

49.3795, 48.2819, 30.0093



Tritanopia

47.5832, 48.7973, 60.3370

Trichromacy



Original Color

41.2147, 48.7398, 29.4258

Protanomaly

43.8182, 48.8116, 28.5848

Deuteranomaly

46.0030, 48.0425, 29.7702

Tritanomaly

44.9387, 48.6639, 47.0689

Monochromacy



Original Color

41.2147, 48.7398, 29.4258

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.8722, 47.0816, 41.9500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2147, 48.7398, 29.4258 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(177, 192, 133)` looks like.

```
.text, #text, p{  
    color:rgb(177, 192, 133)  
}
```

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(177, 192, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 192, 133) }
```

Border

The CSS property to change the border of an element to XYZ 41.2147, 48.7398, 29.4258 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(177, 192, 133) }
```


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

```
.border{ border-color:rgb(177, 192, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 192, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 192, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 192, 133);  
box-shadow:4px 4px 4px 4px rgb(177, 192,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2147, 48.7398, 29.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 192, 133) }
```

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

```
.background{ background-color: rgb(177,  
192, 133) }
```

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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