

Converting Colors

XYZ(47.6085, 57.1181, 51.2649)

Have a look what the booklet for
XYZ(47.6085, 57.1181, 51.2649)
contains.

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Color

**XYZ(47.4871, 57.0244,
51.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	ABD0B3
RGB	171, 208, 179
RGB Percent	67%, 82%, 70%
CMY	0.3294, 0.1843, 0.2980
CMYK	0.18, 0.00, 0.14, 0.18
HSL	133°, 28%, 74%
HSV	133°, 18%, 82%
XYZ	47.4871, 57.0244, 51.1518
YIQ	193.6310, -12.7430, -16.8630

Conversions

Conversions Part 2

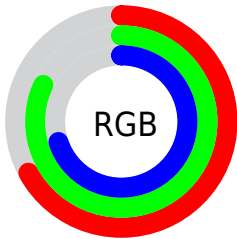
Format	Color
RYB	171, 201, 208
Decimal	11260083
CIELab	80.19, -17.88, 10.37
CIElCh	80, 20.670, 149.873
Yxy	57.0244, 0.3051, 0.3663
Android (android.graphics.Color)	4289450163 (0xFFABD0B3)
YUV	193.6310, -7.2131, -19.8474
Hunter-Lab	75.5145, -19.9011, 12.6985

Details

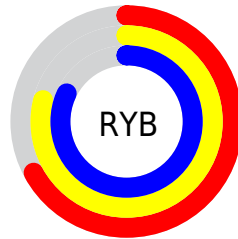
The XYZ color **47.4871, 57.0244, 51.1518** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.0026, 46.7071, 60.9732**, and the grayscale version is **51.1080, 53.7696, 58.5551**.

A 20% lighter version of the original color is **82.4339, 93.8491, 92.3672**, and **22.7927, 28.4691, 24.0324** is the 20% darker color. If you saturate the color by 10%, you get **41.7555, 54.2507, 42.7796**, and if you desaturate by 10%, it is **54.1298, 60.2485, 60.5868**.

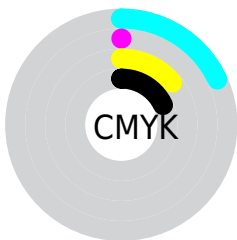
Distribution



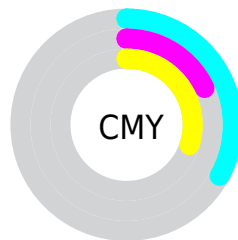
- Red (67%)
- Green (82%)
- Blue (70%)



- Red (67%)
- Yellow (79%)
- Blue (82%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)



- Cyan (33%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4871, 57.0244, 51.1518 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 47.4871, 57.0244, 51.1518 by changing the saturation by 10% instead.

■ 47.4871, 57.0244,
51.1518

■ 47.4871, 57.0244,
51.1518

367.3720,
413.5407, 408.0167

■ 33.6305, 41.0248,
35.9519

■ 85.6546, 100.5008,
93.2929

■ 22.7714, 28.3385,
24.1076

110.6961,
128.7464, 121.0712

■ 14.5446, 18.5810,
15.2005

140.1967,
161.8428, 153.8793

■ 8.5846, 11.3679,
8.8121

174.5216,
200.1744, 192.1358

■ 4.5262, 6.3149,
4.5237

214.0362,
244.1256, 236.2593

■ 2.0039, 3.0375,
1.9168

259.1059,

■ 0.6362, 1.1513,

294.0808, 286.6682

0.5034

310.0961,
350.4244, 343.7811

■ 0.0000, 0.0214,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.4871, 57.0244,
51.1518

■ 47.4871, 57.0244,
51.1518

■ 41.7555, 54.2507,
42.7796

■ 54.1298, 60.2485,
60.5868

■ 36.8903, 51.9002,
35.4291

■ 61.7165, 63.9344,
71.1161

■ 32.8500, 49.9541,
29.0623

■ 70.2840, 68.1020,
82.7746

■ 29.5878, 48.3891,
23.6373

■ 79.8660, 72.7678,
95.5947

■ 27.0521, 47.1794,
19.1092

■ 81.8470, 73.5940,
104.4990

■ 25.1848, 46.2963,
15.4293

■ 23.9185, 45.7061,
12.5443

■ 23.1601, 45.3619,
10.3942

■ 23.0302, 45.3033,
10.0106

Harmonies

Analogous

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



50.2621, 57.0244, 44.0570



47.4871, 57.0244, 51.1518



46.4916, 57.0244, 62.0384

Triad

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



47.4871, 57.0244, 51.1518



54.1820, 57.0244, 88.3175



61.5370, 57.0244, 51.2302

Complementary

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



47.4871, 57.0244, 51.1518



51.0026, 46.7071, 60.9732

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.



62.7166, 57.0244, 62.1414



47.4871, 57.0244, 51.1518



58.3384, 57.0244, 84.4736

Square

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



47.4871, 57.0244, 51.1518



50.2325, 57.0244, 84.4104



61.5174, 57.0244, 74.4857



58.3711, 57.0244, 44.0979

Rectangle

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



47.4871, 57.0244, 51.1518



46.9287, 57.0244, 70.3203



61.5174, 57.0244, 74.4857



62.1860, 57.0244, 54.5281

Sweetspot

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



47.4887, 57.0268, 51.1531



88.9463, 97.0345, 100.4332



53.8888, 60.4170, 47.3499



18.8612, 20.6835, 21.2499



0.0000, 0.0000, 0.0000



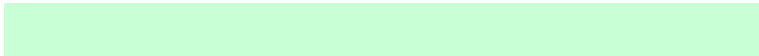
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4887, 57.0268, 51.1531



71.9824, 88.8055, 76.3169



49.4188, 57.7989, 61.3171



11.7594, 13.2475, 13.0896



14.3825, 28.2459, 6.3943



0.8344, 1.5914, 0.5165

Inverse Universe

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



51.0026, 46.7071, 60.9732



78.4731, 69.7400, 94.4535



49.0309, 45.9184, 50.5902



12.1968, 11.9635, 14.3121



20.3712, 10.0213, 22.6586



1.1669, 0.5715, 1.4138

Previews

White Background



This preview shows how the XYZ color 47.4871, 57.0244, 51.1518 looks on a white background.

Color Contrast Check

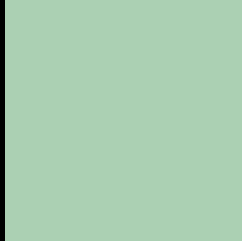
Large Text (above 18pt) WCAG AA × Fail

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 47.4871, 57.0244, 51.1518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

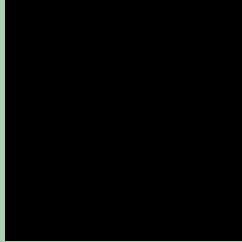
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4871, 57.0244, 51.1518

Background



This preview shows how black text looks on a background with the XYZ color 47.4871, 57.0244, 51.1518.



This preview shows how white text looks on a background with the XYZ color 47.4871, 57.0244,

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

47.4871, 57.0244, 51.1518

Protanopia

53.8465, 56.8541, 48.1803

Deuteranopia

57.8148, 56.4863, 52.1117



Tritanopia

52.2668, 56.8205, 75.2305

Trichromacy



Original Color

47.4871, 57.0244, 51.1518

Protanomaly

51.4627, 56.9778, 49.3597

Deuteranomaly

53.4836, 56.2478, 51.7541

Tritanomaly

50.1711, 56.6593, 65.4188

Monochromacy



Original Color

47.4871, 57.0244, 51.1518

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.8584, 54.9601, 56.1246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4871, 57.0244, 51.1518 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(171, 208, 179)` looks like.

```
.text, #text, p{  
    color:rgb(171, 208, 179)  
}
```

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(171, 208, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 208, 179) }
```

Border

The CSS property to change the border of an element to XYZ 47.4871, 57.0244, 51.1518 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(171, 208, 179) }
```


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

```
.border{ border-color:rgb(171, 208, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 208, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 208, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 208, 179);  
box-shadow:4px 4px 4px 4px rgb(171, 208,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4871, 57.0244, 51.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 208, 179) }
```

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

```
.background{ background-color: rgb(171,  
208, 179) }
```

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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