

Converting Colors

XYZ(46.7307, 56.6673, 46.9347)

Have a look what the booklet for
XYZ(46.7307, 56.6673, 46.9347)
contains.

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Color

**XYZ(46.7011, 56.7100,
47.0128)**

Conversions

Conversions Part 1

Format	Color
Hex	ABD0AB
RGB	171, 208, 171
RGB Percent	67%, 82%, 67%
CMY	0.3294, 0.1843, 0.3294
CMYK	0.18, 0.00, 0.18, 0.18
HSL	120°, 28%, 74%
HSV	120°, 18%, 82%
XYZ	46.7011, 56.7100, 47.0128
YIQ	192.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

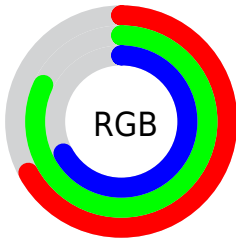
Format	Color
RYB	171, 208, 208
Decimal	11260075
CIELab	80.02, -19.32, 14.38
CIElCh	80, 24.081, 143.331
Yxy	56.7100, 0.3105, 0.3770
Android (android.graphics.Color)	4289450155 (0xFFABD0AB)
YUV	192.7190, -10.7075, -19.0476
Hunter-Lab	75.3060, -21.0887, 15.7001

Details

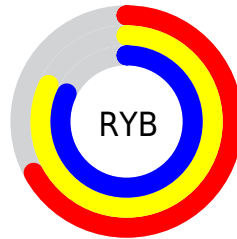
The XYZ color **46.7011, 56.7100, 47.0128** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.9624, 47.0909, 66.0276**, and the grayscale version is **50.5900, 53.2246, 57.9616**.

A 20% lighter version of the original color is **81.1660, 93.3419, 85.6904**, and **22.3566, 28.2947, 21.7359** is the 20% darker color. If you saturate the color by 10%, you get **40.6929, 53.8256, 37.1841**, and if you desaturate by 10%, it is **53.7374, 60.0916, 58.5206**.

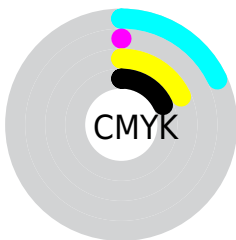
Distribution



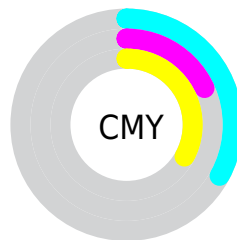
- Red (67%)
- Green (82%)
- Blue (67%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7011, 56.7100, 47.0128 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 46.7011, 56.7100, 47.0128 by changing the saturation by 10% instead.

■ 46.7011, 56.7100,
47.0128

■ 46.7011, 56.7100,
47.0128

364.2890,
412.3618, 391.2609

■ 33.0064, 40.7725,
32.6914

■ 84.4887, 100.0419,
87.0829

■ 22.2906, 28.1413,
21.6209

109.3124,
128.2051, 113.6687

■ 14.1884, 18.4322,
13.3830

138.5764,
161.2122, 145.1796

■ 8.3344, 11.2607,
7.5590

172.6461,
199.4478, 182.0342

■ 4.3632, 6.2425,
3.7304

211.8868,
243.2961, 224.6511

■ 1.9096, 2.9931,
1.4786

256.6640,

■ 0.5824, 1.1281,

293.1416, 273.4489

0.2019

307.3430,
349.3687, 328.8459

■ 0.0000, 0.0018,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7011, 56.7100,
47.0128

■ 46.7011, 56.7100,
47.0128

■ 40.6929, 53.8256,
37.1841

■ 53.7374, 60.0916,
58.5206

■ 35.6604, 51.4083,
28.9525

■ 61.8419, 63.9846,
71.7768

■ 31.5535, 49.4355,
22.2349

■ 71.0582, 68.4116,
86.8514

■ 28.3158, 47.8803,
16.9390

■ 81.4259, 73.3918,
103.8095

■ 25.8848, 46.7126,
12.9627

■ 81.8470, 73.5941,
104.4990

■ 24.1898, 45.8984,
10.1901

■ 23.1476, 45.3978,
8.4853

■ 22.6398, 45.1538,
7.6545

■ 22.5571, 45.1141,
7.5192

Harmonies

Analogous

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



50.2601, 56.7100, 40.1624



46.7011, 56.7100, 47.0128



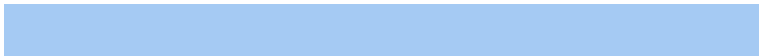
45.0856, 56.7100, 58.6706

Triad

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



46.7011, 56.7100, 47.0128



52.8158, 56.7100, 92.5645



63.0105, 56.7100, 51.6789

Complementary

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



46.7011, 56.7100, 47.0128



51.9624, 47.0909, 66.0276

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.



63.7968, 56.7100, 64.9303



46.7011, 56.7100, 47.0128



57.7139, 56.7100, 89.9426

Square

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



46.7011, 56.7100, 47.0128



48.4752, 56.7100, 85.9808



61.8056, 56.7100, 79.2782



59.7176, 56.7100, 42.5578

Rectangle

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



46.7011, 56.7100, 47.0128



45.2544, 56.7100, 68.1712



61.8056, 56.7100, 79.2782



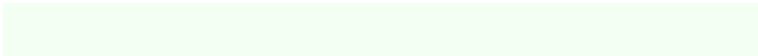
63.5846, 56.7100, 55.7406

Sweetspot

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



46.7026, 56.7124, 47.0140



88.5285, 96.8674, 98.2330



55.9215, 61.4650, 47.4450



18.7601, 20.6430, 20.7174



0.0000, 0.0000, 0.0000



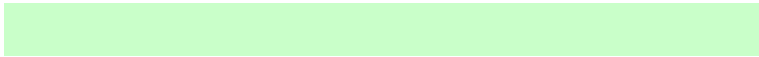
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7026, 56.7124, 47.0140



70.5644, 88.2383, 68.8498



48.5918, 57.4681, 56.9621



11.6564, 13.2063, 12.5468



14.0581, 28.1162, 4.6862



0.7860, 1.5721, 0.2620

Inverse Universe

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



51.9624, 47.0909, 66.0276



80.2815, 70.4633, 103.9760



49.8168, 46.2327, 54.7289



12.3108, 12.0091, 14.9127



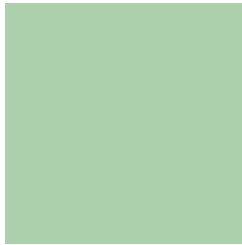
23.3078, 11.1960, 38.1228



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 46.7011, 56.7100, 47.0128 looks on a white background.

Color Contrast Check

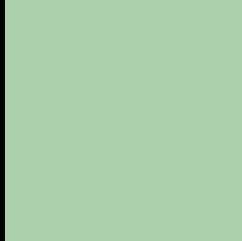
Large Text (above 18pt) WCAG AA × Fail

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 46.7011, 56.7100, 47.0128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

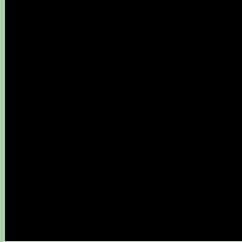
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7011, 56.7100, 47.0128

Background



This preview shows how black text looks on a background with the XYZ color 46.7011, 56.7100, 47.0128.



This preview shows how white text looks on a background with the XYZ color 46.7011, 56.7100,

47.0128.

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

46.7011, 56.7100, 47.0128

Protanopia

53.1437, 56.2410, 44.1310

Deuteranopia

57.4200, 56.3643, 48.4105



Tritanopia

52.3658, 56.8867, 74.5499

Trichromacy



Original Color

46.7011, 56.7100, 47.0128

Protanomaly

50.4602, 56.2025, 45.2344

Deuteranomaly

52.7831, 55.9676, 48.0653

Tritanomaly

50.0400, 56.6329, 63.5522

Monochromacy



Original Color

46.7011, 56.7100, 47.0128

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.9586, 54.2052, 53.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7011, 56.7100, 47.0128 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, 171)` looks like.

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

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, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 46.7011, 56.7100, 47.0128 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, 171) }
```


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

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

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, 171)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 46.7011, 56.7100, 47.0128 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, 171) }
```

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

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

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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