

Converting Colors

XYZ(46.3136, 53.6185, 47.6080)

Have a look what the booklet for
XYZ(46.3136, 53.6185, 47.6080)
contains.

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Color

**XYZ(46.3286, 53.6728,
47.4533)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C8AD
RGB	177, 200, 173
RGB Percent	69%, 78%, 68%
CMY	0.3059, 0.2157, 0.3216
CMYK	0.12, 0.00, 0.14, 0.22
HSL	111°, 20%, 73%
HSV	111°, 14%, 78%
XYZ	46.3286, 53.6728, 47.4533
YIQ	190.0450, -5.0410, -13.2730

Conversions

Conversions Part 2

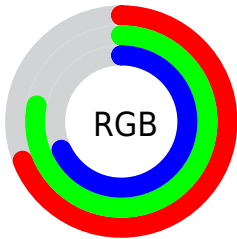
Format	Color
RYB	173, 200, 196
Decimal	11651245
CIELab	78.27, -12.84, 10.90
CIELCh	78, 16.845, 139.676
Yxy	53.6728, 0.3142, 0.3640
Android (android.graphics.Color)	4289841325 (0xFFB1C8AD)
YUV	190.0450, -8.4032, -11.4405
Hunter-Lab	73.2617, -15.3298, 12.8797

Details

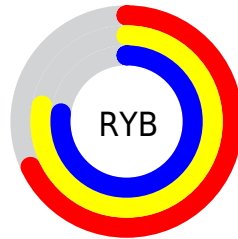
The XYZ color **46.3286, 53.6728, 47.4533** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.1360, 45.7945, 60.9485**, and the grayscale version is **49.0197, 51.5725, 56.1625**.

A 20% lighter version of the original color is **83.3679, 94.4451, 87.2346**, and **22.0423, 26.2233, 21.9890** is the 20% darker color. If you saturate the color by 10%, you get **40.8950, 51.0804, 37.8416**, and if you desaturate by 10%, it is **52.5394, 56.6355, 58.6159**.

Distribution



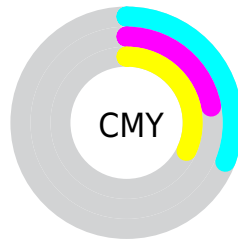
- Red (69%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (31%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3286, 53.6728, 47.4533 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 46.3286, 53.6728, 47.4533 by changing the saturation by 10% instead.

■ 46.3286, 53.6728,
47.4533

■ 46.3286, 53.6728,
47.4533

362.8220,
400.8611, 393.0670

■ 32.7109, 38.3401,
33.0372

■ 83.9354, 95.5937,
87.7469

■ 22.0633, 26.2468,
21.8836

108.6553,
122.9506, 114.4616

■ 14.0203, 17.0084,
13.5739

137.8066,
155.0845, 146.1128

■ 8.2165, 10.2404,
7.6896

171.7546,
192.3797, 183.1192

■ 4.2868, 5.5587,
3.8120

210.8649,
235.2205, 225.8993

■ 1.8656, 2.5786,
1.5228

255.5026,

■ 0.5567, 0.9159,

283.9914, 274.8716

0.2348

306.0332,
339.0768, 330.4547

■ 0.0000, 0.0000,
0.0000

■ 46.3286, 53.6728,
47.4533

■ 46.3286, 53.6728,
47.4533

■ 40.8950, 51.0804,
37.8416

■ 52.5394, 56.6355,
58.6159

■ 36.2038, 48.8371,
29.7089

■ 59.5520, 59.9752,
71.3901

■ 32.2235, 46.9300,
22.9829

■ 67.3952, 63.7069,
85.8376

■ 28.9192, 45.3426,
17.5837

■ 76.0952, 67.8428,
102.0157

■ 26.2527, 44.0573,
13.4235

■ 79.9453, 69.7906,
103.8651

■ 24.1818, 43.0544,
10.4038

■ 22.6594, 42.3121,
8.4115

■ 21.6304, 41.8049,
7.3098

■ 21.1798, 41.5810,
6.9097

Harmonies

Analogous

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



48.9079, 53.6728, 42.9465



46.3286, 53.6728, 47.4533



45.0237, 53.6728, 55.2442

Triad

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



46.3286, 53.6728, 47.4533



49.8858, 53.6728, 78.2013



57.2247, 53.6728, 52.5336

Complementary

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



46.3286, 53.6728, 47.4533



48.1360, 45.7945, 60.9485

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.



57.5142, 53.6728, 61.7578



46.3286, 53.6728, 47.4533



53.1805, 53.6728, 77.2739

Square

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



46.3286, 53.6728, 47.4533



47.0179, 53.6728, 73.4169



56.0059, 53.6728, 71.0050



55.2311, 53.6728, 45.6533

Rectangle

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



46.3286, 53.6728, 47.4533



45.0122, 53.6728, 61.5480



56.0059, 53.6728, 71.0050



57.5277, 53.6728, 55.4395

Sweetspot

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



46.3301, 53.6751, 47.4545



90.3261, 97.7494, 100.3330



51.0932, 54.7563, 47.4121



19.1488, 20.8344, 21.1416



0.0000, 0.0000, 0.0000



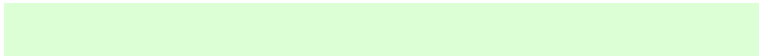
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3301, 53.6751, 47.4545



77.5120, 91.6389, 77.3551



46.3796, 53.5912, 52.4013



10.6413, 11.9620, 11.3108



13.5135, 26.4618, 4.3954



0.6880, 1.2778, 0.2104

Inverse Universe

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



48.1360, 45.7945, 60.9485



81.1987, 75.5462, 104.9100



48.1194, 45.9097, 55.3583



10.9228, 10.7340, 13.4137



17.2808, 8.1428, 35.4053



0.8614, 0.4078, 1.6785

Previews

White Background



This preview shows how the XYZ color 46.3286, 53.6728, 47.4533 looks on a white background.

Color Contrast Check

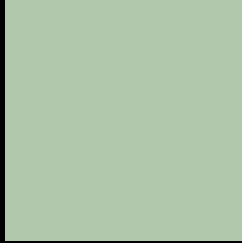
Large Text (above 18pt) WCAG AA × Fail

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 46.3286, 53.6728, 47.4533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

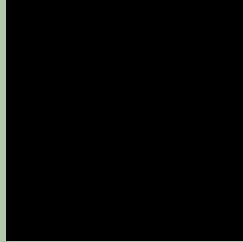
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3286, 53.6728, 47.4533

Background



This preview shows how black text looks on a background with the XYZ color 46.3286, 53.6728, 47.4533.



This preview shows how white text looks on a background with the XYZ color 46.3286, 53.6728,

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

46.3286, 53.6728, 47.4533

Protanopia

50.5885, 53.5611, 45.2081

Deuteranopia

54.3088, 53.1578, 48.4724



Tritanopia

50.6764, 53.7506, 68.6767

Trichromacy



Original Color

46.3286, 53.6728, 47.4533

Protanomaly

48.9879, 53.7196, 45.8172

Deuteranomaly

50.9973, 53.0533, 48.1099

Tritanomaly

49.1004, 53.7875, 60.6175

Monochromacy



Original Color

46.3286, 53.6728, 47.4533

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.9511, 52.3586, 52.9263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3286, 53.6728, 47.4533 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, 200, 173)` looks like.

```
.text, #text, p{  
    color:rgb(177, 200, 173)  
}
```

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, 200, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 200, 173) }
```

Border

The CSS property to change the border of an element to XYZ 46.3286, 53.6728, 47.4533 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, 200, 173) }
```


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

```
.border{ border-color:rgb(177, 200, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 200, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 200, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 200, 173);  
box-shadow:4px 4px 4px 4px rgb(177, 200,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3286, 53.6728, 47.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 200, 173) }
```

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

```
.background{ background-color: rgb(177,  
200, 173) }
```

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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