

Converting Colors

XYZ(47.2387, 56.2462, 34.4413)

Have a look what the booklet for
XYZ(47.2387, 56.2462, 34.4413)
contains.

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Color

**XYZ(47.2828, 56.2106,
34.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	BBCD8F
RGB	187, 205, 143
RGB Percent	73%, 80%, 56%
CMY	0.2667, 0.1961, 0.4392
CMYK	0.09, 0.00, 0.30, 0.20
HSL	77°, 38%, 68%
HSV	77°, 30%, 80%
XYZ	47.2828, 56.2106, 34.3443
YIQ	192.5500, 9.1740, -23.0980

Conversions

Conversions Part 2

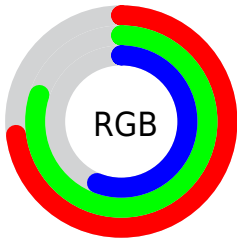
Format	Color
RYB	143, 205, 161
Decimal	12307855
CIELab	79.73, -16.47, 28.91
CIELCh	80, 33.274, 119.659
Yxy	56.2106, 0.3430, 0.4078
Android (android.graphics.Color)	4290497935 (0xFFBBCD8F)
YUV	192.5500, -24.4281, -4.8673
Hunter-Lab	74.9737, -18.6315, 25.3218

Details

The XYZ color **47.2828, 56.2106, 34.3443** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.5420, 31.6313, 61.9929**, and the grayscale version is **50.5607, 53.1938, 57.9280**.

A 20% lighter version of the original color is **83.1463, 94.7843, 66.7363**, and **22.6712, 27.8925, 14.3141** is the 20% darker color. If you saturate the color by 10%, you get **44.4437, 54.9121, 26.8324**, and if you desaturate by 10%, it is **50.4689, 57.6587, 43.3562**.

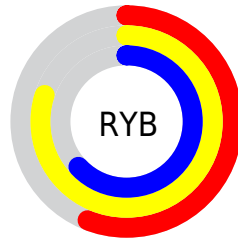
Distribution



Red (73%)

Green (80%)

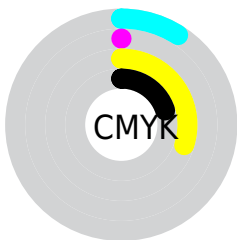
Blue (56%)



Red (56%)

Yellow (80%)

Blue (63%)

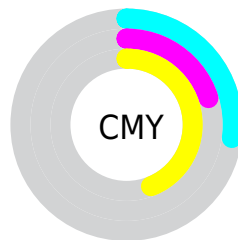


Cyan (9%)

Magenta (0%)

Yellow (30%)

Black (20%)



Cyan (27%)

Magenta (20%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2828, 56.2106, 34.3443 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 47.2828, 56.2106, 34.3443 by changing the saturation by 10% instead.

■ 47.2828, 56.2106,
34.3443

■ 47.2828, 56.2106,
34.3443

366.5723,
410.4847, 336.4805

■ 33.4682, 40.3718,
22.8787

■ 85.3518, 99.3124,
67.6087

■ 22.6463, 27.8286,
14.2995

■ 110.3368,
127.3442, 90.2447

■ 14.4518, 18.1965,
8.1882

139.7760,
160.2092, 117.4411

■ 8.5194, 11.0911,
4.1261

174.0348,
198.2917, 149.6167

■ 4.4836, 6.1282,
1.6948

213.4785,
241.9761, 187.1899

■ 1.9792, 2.9232,
0.3571

258.4724,

■ 0.6222, 1.0918,

291.6468, 230.5792

0.0000

309.3819,
347.6882, 280.2032

■ 0.0000, 0.0000,
0.0000

■ 47.2828, 56.2106,
34.3443

■ 47.2828, 56.2106,
34.3443

■ 44.4437, 54.9121,
26.8324

■ 50.4689, 57.6587,
43.3562

■ 41.9313, 53.7492,
20.7353

■ 54.0129, 59.2551,
53.9397

■ 39.7292, 52.7173,
15.9649

■ 57.9301, 61.0080,
66.1664

■ 37.8178, 51.8084,
12.4217

■ 62.2339, 62.9226,
80.1023

■ 36.1748, 51.0135,
9.9923

■ 66.9366, 65.0042,
95.8097

■ 34.7739, 50.3219,
8.5421

■ 70.2271, 66.5282,
103.7476

■ 33.5936, 49.7280,
7.8279

■ 72.0907, 67.4889,
103.8348

■ 74.0194, 68.4832,
103.9251

■ 76.0138, 69.5114,
104.0184

Harmonies

Analogous

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



53.5034, 56.2106, 31.1500



47.2828, 56.2106, 34.3443



43.0305, 56.2106, 44.3455

Triad

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



47.2828, 56.2106, 34.3443



47.1601, 56.2106, 99.0288



67.4209, 56.2106, 61.4243

Complementary

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



47.2828, 56.2106, 34.3443



35.5420, 31.6313, 61.9929

Split Complementary

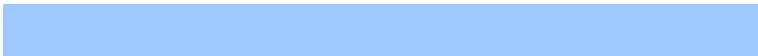
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.3750, 56.2106, 81.8702



47.2828, 56.2106, 34.3443



53.3496, 56.2106, 106.1807

Square

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



47.2828, 56.2106, 34.3443



42.9639, 56.2106, 81.4079



60.0806, 56.2106, 99.3327



65.4630, 56.2106, 44.6540

Rectangle

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



47.2828, 56.2106, 34.3443



41.6939, 56.2106, 54.7970



60.0806, 56.2106, 99.3327



67.1763, 56.2106, 68.0915

Sweetspot

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



47.2842, 56.2131, 34.3455



89.1632, 97.3669, 90.4755



42.8060, 40.3026, 31.5105



18.8912, 20.7538, 18.7736



0.0000, 0.0000, 0.0000



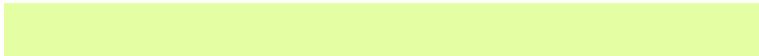
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2842, 56.2131, 34.3455



74.4927, 90.7217, 48.3292



40.5854, 52.7597, 34.0320



11.8242, 12.9268, 11.9513



21.0105, 31.0066, 4.8775



1.1569, 1.6372, 0.2550

Inverse Universe

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



35.5420, 31.6313, 61.9929



52.3822, 44.4142, 100.4197



42.4725, 35.2041, 62.3172



10.9027, 10.9992, 14.1188



8.0851, 3.3756, 36.1817



0.4933, 0.2134, 1.8701

Previews

White Background



This preview shows how the XYZ color 47.2828, 56.2106, 34.3443 looks on a white background.

Color Contrast Check

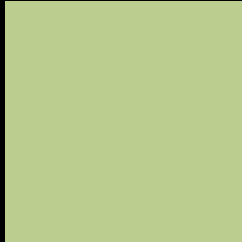
Large Text (above 18pt) WCAG AA × Fail

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 47.2828, 56.2106, 34.3443 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

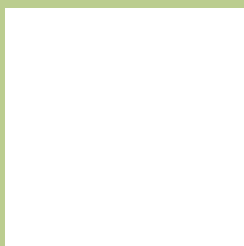
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2828, 56.2106, 34.3443

Background



This preview shows how black text looks on a background with the XYZ color 47.2828, 56.2106, 34.3443.



This preview shows how white text looks on a background with the XYZ color 47.2828, 56.2106,

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

47.2828, 56.2106, 34.3443

Protanopia

52.1404, 55.9721, 32.8665

Deuteranopia

56.9902, 55.7942, 34.9598



Tritanopia

54.3885, 55.9691, 70.2239

Trichromacy



Original Color

47.2828, 56.2106, 34.3443

Protanomaly

50.3638, 56.0690, 33.3672

Deuteranomaly

52.9448, 55.6735, 34.7436

Tritanomaly

51.3854, 55.7722, 55.0705

Monochromacy



Original Color

47.2828, 56.2106, 34.3443

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.1900, 54.1040, 48.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2828, 56.2106, 34.3443 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(187, 205, 143)` looks like.

```
.text, #text, p{  
    color:rgb(187, 205, 143)  
}
```

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(187, 205, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 205, 143) }
```

Border

The CSS property to change the border of an element to XYZ 47.2828, 56.2106, 34.3443 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(187, 205, 143) }
```


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

```
.border{ border-color:rgb(187, 205, 143) }
```

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

Here you see how a box with a 4 pixel rgb(187, 205, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 205, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 205, 143);  
box-shadow:4px 4px 4px 4px rgb(187, 205,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2828, 56.2106, 34.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 205, 143) }
```

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

```
.background{ background-color: rgb(187,  
205, 143) }
```

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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