

Converting Colors

XYZ(47.2830, 57.3700, 30.7717)

Have a look what the booklet for
XYZ(47.2830, 57.3700, 30.7717)
contains.

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Color

**XYZ(47.2830, 57.3700,
30.7717)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD085
RGB	187, 208, 133
RGB Percent	73%, 82%, 52%
CMY	0.2667, 0.1843, 0.4784
CMYK	0.10, 0.00, 0.36, 0.18
HSL	77°, 44%, 67%
HSV	77°, 36%, 82%
XYZ	47.2830, 57.3700, 30.7717
YIQ	193.1710, 11.5590, -27.7770

Conversions

Conversions Part 2

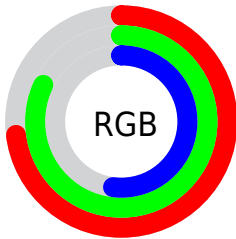
Format	Color
RYB	133, 208, 154
Decimal	12308613
CIELab	80.39, -19.28, 34.94
CIELCh	80, 39.905, 118.896
Yxy	57.3700, 0.3491, 0.4236
Android (android.graphics.Color)	4290498693 (0xFFBBD085)
YUV	193.1710, -29.6643, -5.4120
Hunter-Lab	75.7430, -21.1206, 28.9327

Details

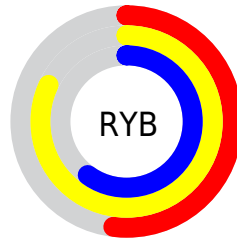
The XYZ color **47.2830, 57.3700, 30.7717** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.1014, 28.2007, 63.3764**, and the grayscale version is **50.9547, 53.6083, 58.3794**.

A 20% lighter version of the original color is **82.0379, 94.3410, 60.8995**, and **22.7515, 28.7069, 12.3245** is the 20% darker color. If you saturate the color by 10%, you get **44.5901, 56.1335, 23.8729**, and if you desaturate by 10%, it is **50.3212, 58.7553, 39.1744**.

Distribution



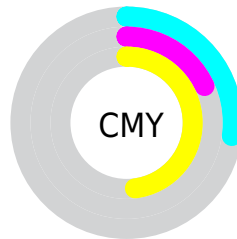
- Red (73%)
- Green (82%)
- Blue (52%)



- Red (52%)
- Yellow (82%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (36%)
- Black (18%)



- Cyan (27%)
- Magenta (18%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2830, 57.3700, 30.7717 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 47.2830, 57.3700, 30.7717 by changing the saturation by 10% instead.

■ 47.2830, 57.3700,
30.7717

■ 47.2830, 57.3700,
30.7717

366.5731,
414.8343, 319.8037

■ 33.4683, 41.3024,
20.1681

■ 85.3521, 101.0049,
61.9558

■ 22.6464, 28.5554,
12.3320

■ 110.3372,
129.3409, 83.3734

■ 14.4519, 18.7448,
6.8449

■ 139.7765,
162.5352, 109.2326

■ 8.5194, 11.4860,
3.2883

174.0353,
200.9721, 139.9522

■ 4.4837, 6.3947,
1.2437

213.4790,
245.0361, 175.9505

■ 1.9792, 3.0866,
0.0150

258.4730,

■ 0.6223, 1.1771,

295.1115, 217.6462

0.0000

309.3826,
351.5828, 265.4577

■ 0.0000, 0.0429,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2830, 57.3700,
30.7717

■ 47.2830, 57.3700,
30.7717

■ 44.5901, 56.1335,
23.8729

■ 50.3212, 58.7553,
39.1744

■ 42.2205, 55.0310,
18.3853

■ 53.7166, 60.2882,
49.1590

■ 40.1565, 54.0572,
14.2119

■ 57.4857, 61.9774,
60.8024

■ 38.3763, 53.2033,
11.2417

■ 61.6424, 63.8286,
74.1755

■ 36.8546, 52.4592,
9.3456

■ 66.2002, 65.8471,
89.3450

■ 35.5600, 51.8123,
8.3620

■ 70.7166, 67.8562,
103.9781

■ 35.0892, 51.5748,
8.1055

■ 72.5314, 68.7918,
104.0631

■ 74.4084, 69.7594,
104.1509

■ 76.3483, 70.7595,
104.2417

Harmonies

Analogous

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



54.8318, 57.3700, 27.4128



47.2830, 57.3700, 30.7717



42.1513, 57.3700, 41.9844

Triad

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



47.2830, 57.3700, 30.7717



46.8077, 57.3700, 109.4596



71.7946, 57.3700, 63.3374

Complementary

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



47.2830, 57.3700, 30.7717



33.1014, 28.2007, 63.3764

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.



69.1184, 57.3700, 88.7152



47.2830, 57.3700, 30.7717



54.2262, 57.3700, 119.1219

Square

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



47.2830, 57.3700, 30.7717



41.8968, 57.3700, 86.8308



62.4787, 57.3700, 110.7250



69.4737, 57.3700, 43.1475

Rectangle

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



47.2830, 57.3700, 30.7717



40.5179, 57.3700, 54.1943



62.4787, 57.3700, 110.7250



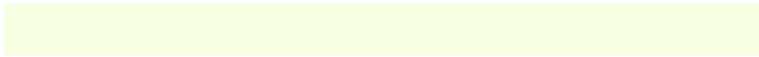
71.4453, 57.3700, 71.5397

Sweetspot

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



47.2844, 57.3725, 30.7729



88.0270, 96.8637, 86.6939



41.6393, 37.8876, 27.3095



18.6673, 20.6548, 18.0202



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.



47.2844, 57.3725, 30.7729



71.7289, 89.4691, 40.4185



39.4613, 53.3396, 30.4068



12.4673, 13.6243, 12.5847



21.9666, 32.1932, 5.0561



1.3034, 1.8388, 0.2862

Inverse Universe

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



33.1014, 28.2007, 63.3764



46.1466, 36.8148, 99.2815



41.1350, 32.3422, 63.7524



11.4701, 11.5757, 14.8734



8.2743, 3.4459, 37.4215



0.5405, 0.2328, 2.0960

Previews

White Background



This preview shows how the XYZ color 47.2830, 57.3700, 30.7717 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 47.2830, 57.3700, 30.7717 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

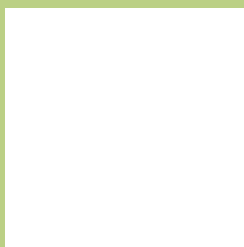
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2830, 57.3700, 30.7717

Background



This preview shows how black text looks on a background with the XYZ color 47.2830, 57.3700, 30.7717.



This preview shows how white text looks on a background with the XYZ color 47.2830, 57.3700,

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

47.2830, 57.3700, 30.7717

Protanopia

52.7048, 57.0308, 28.9991

Deuteranopia

58.4061, 57.2449, 31.6379



Tritanopia

55.6204, 57.2490, 71.7370

Trichromacy



Original Color

47.2830, 57.3700, 30.7717

Protanomaly

50.3266, 56.8319, 29.4363

Deuteranomaly

53.6236, 56.7701, 31.4240

Tritanomaly

52.1256, 57.2132, 54.1949

Monochromacy



Original Color

47.2830, 57.3700, 30.7717

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0306, 54.4048, 46.4451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2830, 57.3700, 30.7717 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, 208, 133)` looks like.

```
.text, #text, p{  
    color:rgb(187, 208, 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(187, 208, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 208, 133) }
```

Border

The CSS property to change the border of an element to XYZ 47.2830, 57.3700, 30.7717 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, 208, 133) }
```


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

```
.border{ border-color:rgb(187, 208, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 208, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 208, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 208, 133); box-shadow:4px 4px 4px 4px rgb(187, 208, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2830, 57.3700, 30.7717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 208, 133) }
```

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

```
.background{ background-color: rgb(187,  
208, 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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