

Converting Colors

XYZ(36.0835, 30.7428, 58.0041)

Have a look what the booklet for
XYZ(36.0835, 30.7428, 58.0041)
contains.

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Color

**XYZ(36.0490, 30.6728,
58.0533)**

Conversions

Conversions Part 1

Format	Color
Hex	AB89C7
RGB	171, 137, 199
RGB Percent	67%, 54%, 78%
CMY	0.3294, 0.4627, 0.2196
CMYK	0.14, 0.31, 0.00, 0.22
HSL	273°, 36%, 66%
HSV	273°, 31%, 78%
XYZ	36.0490, 30.6728, 58.0533
YIQ	154.2340, 0.3620, 26.4900

Conversions

Conversions Part 2

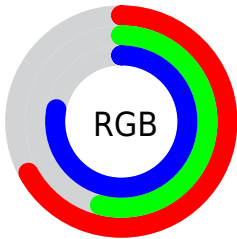
Format	Color
RYB	171, 137, 199
Decimal	11241927
CIELab	62.23, 24.73, -27.30
CIELCh	62, 36.831, 312.174
Yxy	30.6728, 0.2889, 0.2458
Android (android.graphics.Color)	4289432007 (0xFFAB89C7)
YUV	154.2340, 22.0696, 14.7038
Hunter-Lab	55.3830, 19.2659, -23.3805

Details

The XYZ color **36.0490, 30.6728, 58.0533** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.4570, 50.6532, 31.3131**, and the grayscale version is **30.7248, 32.3249, 35.2018**.

A 20% lighter version of the original color is **68.3594, 60.8125, 102.7428**, and **15.9902, 12.7123, 28.3990** is the 20% darker color. If you saturate the color by 10%, you get **31.5854, 24.5532, 57.1078**, and if you desaturate by 10%, it is **41.1694, 37.9070, 59.1802**.

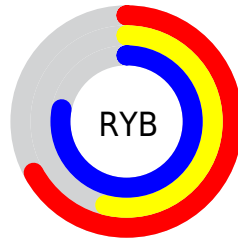
Distribution



Red (67%)

Green (54%)

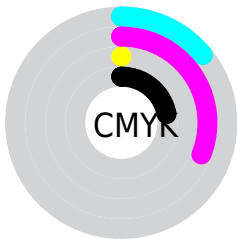
Blue (78%)



Red (67%)

Yellow (54%)

Blue (78%)

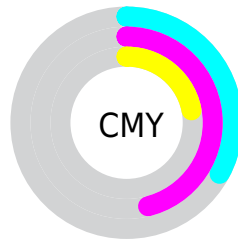


Cyan (14%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (33%)

Magenta (46%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0490, 30.6728, 58.0533 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 36.0490, 30.6728, 58.0533 by changing the saturation by 10% instead.

■ 36.0490, 30.6728,
58.0533

■ 36.0490, 30.6728,
58.0533

320.6022,
305.0281, 434.9883

■ 24.6423, 20.3498,
41.4365

■ 68.4311, 60.7246,
103.5160

■ 15.9381, 12.6496,
28.3381

■ 90.1372, 81.2221,
133.1990

■ 9.5709, 7.1877,
18.3394

■ 116.0071,
105.8800, 168.0745

■ 5.1755, 3.5798,
11.0220

146.4063,
135.0826, 208.5611

■ 2.3864, 1.4414,
5.9673

181.7000,
169.2143, 255.0772

■ 0.8383, 0.2469,
2.7567

222.2537,

■ 0.0000, 0.0000,

208.6595, 308.0414

0.9718

268.4326,
253.8027, 367.8723

■ 0.0000, 0.0000,
0.0000

■ 36.0490, 30.6728,
58.0533

■ 36.0490, 30.6728,
58.0533

■ 31.5854, 24.5532,
57.1078

■ 41.1694, 37.9070,
59.1802

■ 27.7444, 19.4855,
56.3321

■ 46.9727, 46.3063,
60.4956

■ 24.4925, 15.4067,
55.7162

■ 53.4871, 55.9226,
62.0084

■ 21.7921, 12.2451,
55.2483

■ 60.7383, 66.8038,
63.7265

■ 19.5999, 9.9188,
54.9148

■ 68.7504, 78.9948,
65.6573

■ 17.8653, 8.3307,
54.6997

■ 77.0971, 91.6392,
67.6580

■ 16.6312, 7.3828,
54.5818

■ 79.9721, 93.1213,
67.7926

■ 82.9967, 94.6805,
67.9341

■ 86.1732, 96.3181,
68.0828

Harmonies

Analogous

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



31.2148, 30.6728, 67.9144



36.0490, 30.6728, 58.0533



39.2262, 30.6728, 42.4924

Triad

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



36.0490, 30.6728, 58.0533



32.1769, 30.6728, 13.5361



20.7771, 30.6728, 39.5054

Complementary

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



36.0490, 30.6728, 58.0533



40.4570, 50.6532, 31.3131

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.



20.9722, 30.6728, 25.7027



36.0490, 30.6728, 58.0533



27.1851, 30.6728, 13.1573

Square

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



36.0490, 30.6728, 58.0533



36.8219, 30.6728, 18.1910



23.1988, 30.6728, 16.9480



22.6315, 30.6728, 55.3387

Rectangle

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



36.0490, 30.6728, 58.0533



39.7794, 30.6728, 32.3705



23.1988, 30.6728, 16.9480



20.6116, 30.6728, 34.4460

Sweetspot

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



36.0500, 30.6741, 58.0540



84.4497, 84.3083, 106.4299



34.2506, 36.6914, 59.3103



17.7301, 17.5389, 22.7008



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.



36.0500, 30.6741, 58.0540



57.9975, 46.6425, 100.5538



42.5701, 34.0629, 57.1149



10.6033, 10.5693, 13.3987



10.7963, 4.7999, 35.1018



0.5938, 0.2699, 1.6659

Inverse Universe

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



39.2914, 32.7514, 39.8496



64.7344, 50.9518, 63.0858



35.4061, 48.0321, 31.8581



10.8297, 10.7153, 12.0863



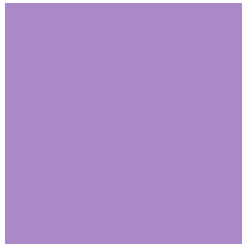
16.3714, 8.2981, 7.1654



0.8116, 0.4075, 0.5309

Previews

White Background



This preview shows how the XYZ color 36.0490, 30.6728, 58.0533 looks on a white background.

Color Contrast Check

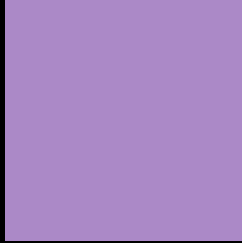
Large Text (above 18pt) WCAG AA × Fail

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 36.0490, 30.6728, 58.0533 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 36.0490, 30.6728, 58.0533

Background



This preview shows how black text looks on a background with the XYZ color 36.0490, 30.6728, 58.0533.



This preview shows how white text looks on a background with the XYZ color 36.0490, 30.6728,

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

36.0490, 30.6728, 58.0533

Protanopia

31.8055, 31.0355, 63.9886

Deuteranopia

31.4832, 30.7865, 57.1064



Tritanopia

31.5210, 30.5776, 36.1390

Trichromacy



Original Color

36.0490, 30.6728, 58.0533

Protanomaly

33.1775, 30.8616, 61.9659

Deuteranomaly

32.9288, 30.6030, 57.5975

Tritanomaly

33.0557, 30.5400, 43.1823

Monochromacy



Original Color

36.0490, 30.6728, 58.0533

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.3428, 31.5557, 42.4164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0490, 30.6728, 58.0533 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, 137, 199)` looks like.

```
.text, #text, p{  
    color:rgb(171, 137, 199)  
}
```

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, 137, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 137, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.0490, 30.6728, 58.0533 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, 137, 199) }
```


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

```
.border{ border-color:rgb(171, 137, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 137, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 137, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 137, 199);  
box-shadow:4px 4px 4px 4px rgb(171, 137,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0490, 30.6728, 58.0533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 137, 199) }
```

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

```
.background{ background-color: rgb(171,  
137, 199) }
```

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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