

Converting Colors

XYZ(29.9044, 23.3825, 30.5621)

Have a look what the booklet for
XYZ(29.9044, 23.3825, 30.5621)
contains.

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Color

**XYZ(29.8830, 23.3982,
30.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	B47093
RGB	180, 112, 147
RGB Percent	71%, 44%, 58%
CMY	0.2941, 0.5608, 0.4235
CMYK	0.00, 0.38, 0.18, 0.29
HSL	329°, 31%, 57%
HSV	329°, 38%, 71%
XYZ	29.8830, 23.3982, 30.5451
YIQ	136.3220, 29.2930, 25.3010

Conversions

Conversions Part 2

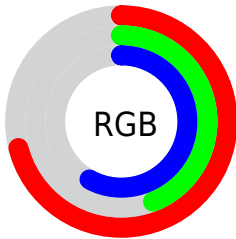
Format	Color
R _Y B	180, 112, 147
Decimal	11825299
CIE Lab	55.48, 31.89, -7.68
CIE LCh	55, 32.798, 346.451
Yxy	23.3982, 0.3565, 0.2791
Android (android.graphics.Color)	4290015379 (0xFFB47093)
YUV	136.3220, 5.2643, 38.3056
Hunter-Lab	48.3717, 25.6231, -3.5795

Details

The XYZ color **29.8830, 23.3982, 30.5451** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.1152, 38.1322, 32.6682**, and the grayscale version is **23.4962, 24.7198, 26.9199**.

A 20% lighter version of the original color is **58.9228, 49.1318, 61.6362**, and **12.4381, 8.7254, 12.0949** is the 20% darker color. If you saturate the color by 10%, you get **27.4323, 19.5522, 26.4736**, and if you desaturate by 10%, it is **32.7842, 28.0612, 35.0241**.

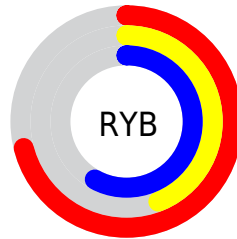
Distribution



Red (71%)

Green (44%)

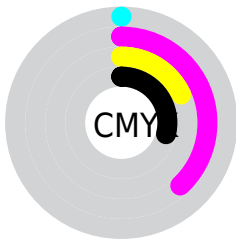
Blue (58%)



Red (71%)

Yellow (44%)

Blue (58%)

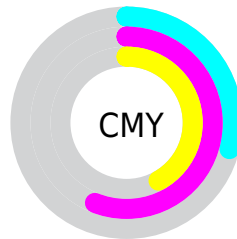


Cyan (0%)

Magenta (38%)

Yellow (18%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8830, 23.3982, 30.5451 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 29.8830, 23.3982, 30.5451 by changing the saturation by 10% instead.

■ 29.8830, 23.3982,
30.5451

■ 29.8830, 23.3982,
30.5451

293.2783,
269.7637, 318.7231

■ 19.8974, 14.8878,
19.9971

■ 58.8650, 49.0463,
61.5943

■ 12.4283, 8.7407,
12.2089

■ 78.5921, 66.9529,
82.9327

■ 7.1104, 4.5724,
6.7619

■ 102.2972, 88.7603,
108.7049

■ 3.5782, 1.9986,
3.2374

■ 130.3455,
114.8529, 139.3295

■ 1.4664, 0.6067,
1.2171

163.1024,
145.6152, 175.2251

■ 0.3028, 0.0000,
0.0000

200.9333,

■ 0.0000, 0.0000,

181.4315, 216.8103

0.0000

244.2035,
222.6862, 264.5034

■ 29.8830, 23.3982,
30.5451

■ 29.8830, 23.3982,
30.5451

■ 27.4323, 19.5522,
26.4736

■ 32.7842, 28.0612,
35.0241

■ 25.4050, 16.4719,
22.7942

■ 36.1567, 33.5820,
39.9223

■ 23.7743, 14.1053,
19.4924


■ 40.0225, 40.0027,
45.2527


■ 22.5093, 12.3924,
16.5517


■ 44.4016, 47.3613,
51.0269


■ 21.5739, 11.2631,
13.9538


■ 49.3129, 55.6941,
57.2565


 20.9128, 10.6090,
11.6737

 54.7740, 65.0351,
63.9521

 20.7825, 10.4874,
11.2021

 60.8022, 75.4167,
71.1242

 67.0921, 86.2272,
78.6758

 68.2582, 86.6936,
84.8161

Harmonies

Analogous

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



27.7942, 23.3982, 42.2170



29.8830, 23.3982, 30.5451



29.7698, 23.3982, 20.1396

Triad

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



29.8830, 23.3982, 30.5451



20.2880, 23.3982, 10.5246



17.6962, 23.3982, 43.2453

Complementary

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



29.8830, 23.3982, 30.5451



28.1152, 38.1322, 32.6682

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.



16.0996, 23.3982, 31.6820



29.8830, 23.3982, 30.5451



17.4787, 23.3982, 13.8753

Square

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



29.8830, 23.3982, 30.5451



23.9450, 23.3982, 10.3774



16.0247, 23.3982, 21.0024



20.6166, 23.3982, 50.8079

Rectangle

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



29.8830, 23.3982, 30.5451



28.4551, 23.3982, 15.2019



16.0247, 23.3982, 21.0024



17.0017, 23.3982, 39.5730

Sweetspot

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



29.8837, 23.3993, 30.5456



70.0740, 68.3721, 78.6644



25.6869, 20.8925, 45.8591



14.9419, 14.4391, 16.7226



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.8837, 23.3993, 30.5456



50.5685, 36.7367, 49.4248



27.6056, 22.4880, 18.5491



8.6728, 8.5759, 9.7756



14.5389, 7.3331, 7.9980



0.4868, 0.2425, 0.4061

Inverse Universe

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



29.8837, 23.3993, 30.5456



50.5685, 36.7367, 49.4248



31.1273, 39.3370, 48.5297



8.6728, 8.5759, 9.7756



14.5389, 7.3331, 7.9980



0.4868, 0.2425, 0.4061

Previews

White Background



This preview shows how the XYZ color 29.8830, 23.3982, 30.5451 looks on a white background.

Color Contrast Check

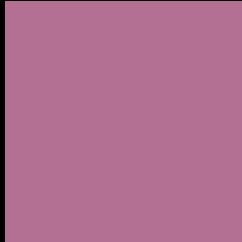
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8830, 23.3982, 30.5451 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 × Fail

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

XYZ 29.8830, 23.3982, 30.5451

Background



This preview shows how black text looks on a background with the XYZ color 29.8830, 23.3982, 30.5451.



This preview shows how white text looks on a background with the XYZ color 29.8830, 23.3982,

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

29.8830, 23.3982, 30.5451

Protanopia

23.3488, 23.5526, 36.5732

Deuteranopia

24.0012, 23.6416, 29.6838



Tritanopia

28.3072, 23.4364, 22.4338

Trichromacy



Original Color

29.8830, 23.3982, 30.5451

Protanomaly

25.1041, 23.1448, 34.1546

Deuteranomaly

25.7114, 23.1788, 29.9069

Tritanomaly

28.9548, 23.5386, 25.2076

Monochromacy



Original Color

29.8830, 23.3982, 30.5451

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.2719, 23.7476, 28.0627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8830, 23.3982, 30.5451 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(180, 112, 147)` looks like.

```
.text, #text, p{  
    color:rgb(180, 112, 147)  
}
```

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(180, 112, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 112, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.8830, 23.3982, 30.5451 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(180, 112, 147) }
```


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

```
.border{ border-color:rgb(180, 112, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 112, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 112, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 112, 147);  
box-shadow:4px 4px 4px 4px rgb(180, 112,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8830, 23.3982, 30.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 112, 147) }
```

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

```
.background{ background-color: rgb(180,  
112, 147) }
```

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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