

Converting Colors

XYZ(30.4845, 23.3188, 35.0015)

Have a look what the booklet for
XYZ(30.4845, 23.3188, 35.0015)
contains.

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Color

**XYZ(30.4841, 23.2895,
34.7869)**

Conversions

Conversions Part 1

Format	Color
Hex	B46E9D
RGB	180, 110, 157
RGB Percent	71%, 43%, 62%
CMY	0.2941, 0.5686, 0.3843
CMYK	0.00, 0.39, 0.13, 0.29
HSL	320°, 32%, 57%
HSV	320°, 39%, 71%
XYZ	30.4841, 23.2895, 34.7869
YIQ	136.2880, 26.6330, 29.4570

Conversions

Conversions Part 2

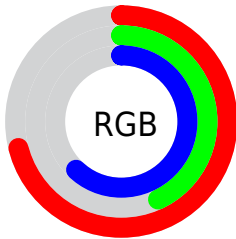
Format	Color
R_{YB}	180, 110, 157
Decimal	11824797
CIE _{Lab}	55.37, 34.63, -13.67
CIE _{LCh}	55, 37.230, 338.451
Yxy	23.2895, 0.3442, 0.2630
Android (android.graphics.Color)	4290014877 (0xFFB46E9D)
YUV	136.2880, 10.2110, 38.3354
Hunter-Lab	48.2592, 28.3003, -8.9568

Details

The XYZ color **30.4841, 23.2895, 34.7869** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.9863, 37.6516, 28.0371**, and the grayscale version is **23.4662, 24.6883, 26.8856**.

A 20% lighter version of the original color is **59.9059, 48.9524, 68.5787**, and **12.8216, 8.7079, 14.6407** is the 20% darker color. If you saturate the color by 10%, you get **28.2430, 19.5956, 31.6086**, and if you desaturate by 10%, it is **33.1456, 27.7842, 38.2265**.

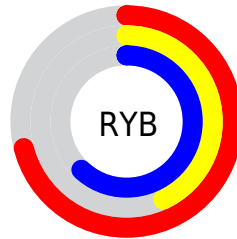
Distribution



Red (71%)

Green (43%)

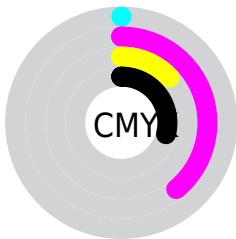
Blue (62%)



Red (71%)

Yellow (43%)

Blue (62%)

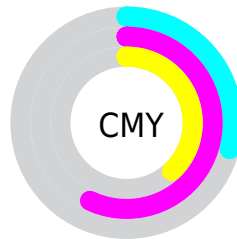


Cyan (0%)

Magenta (39%)

Yellow (13%)

Black (29%)



Cyan (29%)


Magenta (57%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4841, 23.2895, 34.7869 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 30.4841, 23.2895, 34.7869 by changing the saturation by 10% instead.


 30.4841, 23.2895,
34.7869


 30.4841, 23.2895,
34.7869


296.0240,
269.2085, 338.5024


 20.3562, 14.8074,
23.2165


 59.8083, 48.8682,
68.3033


 12.7640, 8.6843,
14.5467


 79.7353, 66.7337,
91.0865

 7.3421, 4.5359,
8.3588


 103.6595, 88.4957,
118.4443

 3.7252, 1.9776,
4.2343

 131.9460,
114.5388, 150.7953

 1.5479, 0.5944,
1.7548

164.9604,
145.2471, 188.5581

 0.3581, 0.0000,
0.3979

203.0680,

 0.0000, 0.0000,

181.0053, 232.1512

0.0000

246.6340,
222.1976, 281.9931

■ 30.4841, 23.2895,
34.7869

■ 30.4841, 23.2895,
34.7869

■ 28.2430, 19.5956,
31.6086

■ 33.1456, 27.7842,
38.2265

■ 26.3957, 16.6512,
28.6802

■ 36.2476, 33.1208,
41.9349

■ 24.9159, 14.4037,
25.9916


■ 39.8116, 39.3411,
45.9213


■ 23.7731, 12.7928,
23.5307


■ 43.8570, 46.4835,
50.1936


■ 22.9314, 11.7473,
21.2839


■ 48.4020, 54.5838,
54.7595


 22.3270, 11.1400,
19.2280

 53.4639, 63.6762,
59.6263

 22.2648, 11.0803,
19.0076

 59.0590, 73.7930,
64.8009

 65.2032, 84.9651,
70.2900

 66.2443, 85.8881,
74.2112

Harmonies

Analogous

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



27.5192, 23.2895, 47.9925



30.4841, 23.2895, 34.7869



31.0752, 23.2895, 22.1240

Triad

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



30.4841, 23.2895, 34.7869



20.9758, 23.2895, 8.7250



16.4196, 23.2895, 42.5330

Complementary

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



30.4841, 23.2895, 34.7869



26.9863, 37.6516, 28.0371

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.



15.1000, 23.2895, 28.8934



30.4841, 23.2895, 34.7869



17.5050, 23.2895, 11.2664

Square

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



30.4841, 23.2895, 34.7869



25.2211, 23.2895, 9.4095



15.4707, 23.2895, 17.8088



19.3133, 23.2895, 53.3561

Rectangle

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



30.4841, 23.2895, 34.7869



29.9808, 23.2895, 15.8976



15.4707, 23.2895, 17.8088



15.7949, 23.2895, 37.9801

Sweetspot

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



30.4848, 23.2906, 34.7874



69.9467, 67.4081, 80.8089



23.3570, 19.3674, 45.6875



14.9376, 14.2541, 17.2652



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.



30.4848, 23.2906, 34.7874



51.6148, 36.1886, 57.9142



27.9639, 22.2822, 21.5126



8.7289, 8.5983, 10.0709



15.5713, 7.7461, 13.4344



0.5155, 0.2539, 0.5571

Inverse Universe

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



30.4848, 23.2906, 34.7874



51.6148, 36.1886, 57.9142



29.7429, 38.7543, 42.5534



8.7289, 8.5983, 10.0709



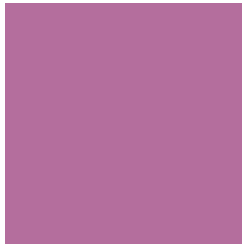
15.5713, 7.7461, 13.4344



0.5155, 0.2539, 0.5571

Previews

White Background



This preview shows how the XYZ color 30.4841, 23.2895, 34.7869 looks on a white background.

Color Contrast Check

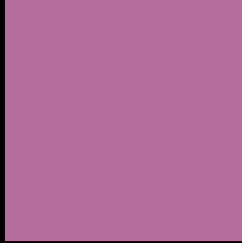
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4841, 23.2895, 34.7869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

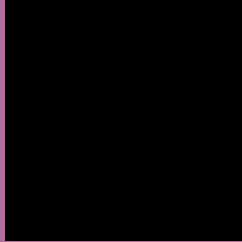
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4841, 23.2895, 34.7869

Background



This preview shows how black text looks on a background with the XYZ color 30.4841, 23.2895, 34.7869.



This preview shows how white text looks on a background with the XYZ color 30.4841, 23.2895,

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

30.4841, 23.2895, 34.7869

Protanopia

23.7237, 23.6187, 42.3382

Deuteranopia

23.8857, 23.4994, 33.4139



Tritanopia

27.8516, 23.2016, 22.4124

Trichromacy



Original Color

30.4841, 23.2895, 34.7869

Protanomaly

25.5104, 23.0450, 39.6628

Deuteranomaly

25.8646, 23.1744, 33.6817

Tritanomaly

28.6641, 23.1879, 26.6319

Monochromacy



Original Color

30.4841, 23.2895, 34.7869

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.5723, 23.8678, 29.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4841, 23.2895, 34.7869 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, 110, 157)` looks like.

```
.text, #text, p{  
    color:rgb(180, 110, 157)  
}
```

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, 110, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 110, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.4841, 23.2895, 34.7869 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, 110, 157) }
```


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

```
.border{ border-color:rgb(180, 110, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 110, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 110, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 110, 157);  
box-shadow:4px 4px 4px 4px rgb(180, 110,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4841, 23.2895, 34.7869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 110, 157) }
```

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

```
.background{ background-color: rgb(180,  
110, 157) }
```

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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