

Converting Colors

XYZ(30.6883, 23.8893, 44.0423)

Have a look what the booklet for
XYZ(30.6883, 23.8893, 44.0423)
contains.

| | |
|--|----|
| XYZ(30.6484, 23.8271, 44.0580) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(30.6484, 23.8271,
44.0580)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | AB72B0 |
| RGB | 171, 114, 176 |
| RGB Percent | 67%, 45%, 69% |
| CMY | 0.3294, 0.5529, 0.3098 |
| CMYK | 0.03, 0.35, 0.00, 0.31 |
| HSL | 295°, 28%, 57% |
| HSV | 295°, 35%, 69% |
| XYZ | 30.6484, 23.8271, 44.0580 |
| YIQ | 138.1110, 14.0700, 31.3660 |

Conversions

Conversions Part 2

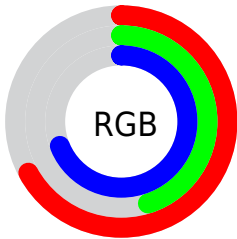
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 171, 114, 176 |
| Decimal | 11236016 |
| CIE _{Lab} | 55.91, 32.89, -23.94 |
| CIE _{LCh} | 56, 40.681, 323.954 |
| Yxy | 23.8271, 0.3110, 0.2418 |
| Android (android.graphics.Color) | 4289426096 (0xFFAB72B0) |
| YUV | 138.1110, 18.6793, 28.8437 |
| Hunter-Lab | 48.8130, 26.6527, -19.3453 |

Details

The XYZ color **30.6484, 23.8271, 44.0580** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.1710, 36.1880, 21.5263**, and the grayscale version is **24.1277, 25.3842, 27.6434**.

A 20% lighter version of the original color is **60.0628, 49.7945, 82.7896**, and **12.8798, 8.9484, 19.7873** is the 20% darker color. If you saturate the color by 10%, you get **28.5437, 20.0738, 43.4448**, and if you desaturate by 10%, it is **33.1399, 28.3482, 44.7997**.

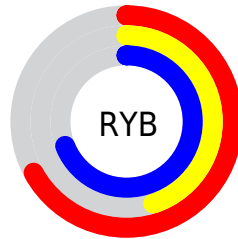
Distribution



Red (67%)

Green (45%)

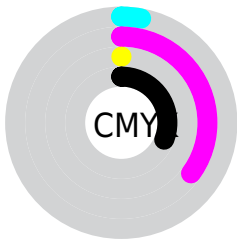
Blue (69%)



Red (67%)

Yellow (45%)

Blue (69%)

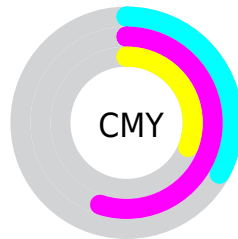


Cyan (3%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (33%)


Magenta (55%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6484, 23.8271, 44.0580 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 30.6484, 23.8271, 44.0580 by changing the saturation by 10% instead.

 30.6484, 23.8271,
44.0580


 30.6484, 23.8271,
44.0580

296.7711,
271.9452, 378.9932

 20.4818, 15.2054,
30.3786


 60.0657, 49.7479,
82.6084


 12.8560, 8.9637,
19.8716


 80.0471, 67.8158,
108.3165

 7.4058, 4.7175,
12.1186


 104.0308, 89.8013,
138.8712

 3.7657, 2.0825,
6.7010

 132.3821,
116.0886, 174.6911

 1.5705, 0.6547,
3.2002

165.4665,
147.0623, 216.1947

 0.3730, 0.0000,
1.1978

203.6492,

 0.0000, 0.0000,

183.1067, 263.8006

0.0000

247.2956,
224.6062, 317.9272

■ 30.6484, 23.8271,
44.0580

■ 30.6484, 23.8271,
44.0580

■ 28.5437, 20.0738,
43.4448

■ 33.1399, 28.3482,
44.7997

■ 26.8016, 17.0410,
42.9513

■ 36.0361, 33.6743,
45.6751

■ 25.3985, 14.6815,
42.5698

■ 39.3567, 39.8441,
46.6910

■ 24.3073, 12.9408,
42.2913

■ 43.1193, 46.8929,
47.8532

■ 23.4964, 11.7560,
42.1054

■ 47.3404, 54.8540,
49.1674

■ 22.9271, 11.0495,
41.9990

■ 52.0359, 63.7587,
50.6387

■ 22.6981, 10.7960,
41.9621

■ 57.2208, 73.6371,
52.2721

■ 62.9093, 84.5179,
54.0725

■ 63.3096, 84.8171,
54.1092

Harmonies

Analogous

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



26.4634, 23.8271, 56.9773



30.6484, 23.8271, 44.0580



32.7214, 23.8271, 28.7275

Triad

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



30.6484, 23.8271, 44.0580



23.5992, 23.8271, 7.9338



15.4366, 23.8271, 37.7537

Complementary

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



30.6484, 23.8271, 44.0580



26.1710, 36.1880, 21.5263

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.



14.8869, 23.8271, 23.3458



30.6484, 23.8271, 44.0580



19.2163, 23.8271, 8.9047

Square

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



30.6484, 23.8271, 44.0580



28.3094, 23.8271, 10.2895



16.1755, 23.8271, 13.6315



17.7949, 23.8271, 52.5525

Rectangle

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



30.6484, 23.8271, 44.0580



32.4493, 23.8271, 20.2602



16.1755, 23.8271, 13.6315



15.0489, 23.8271, 32.6015

Sweetspot

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



30.6492, 23.8281, 44.0585



67.6916, 65.3987, 83.5508



21.3935, 19.9464, 43.7971



14.5019, 13.8614, 18.0555



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.6492, 23.8281, 44.0585



52.6563, 37.9770, 79.0503



29.4409, 23.4730, 31.9044



8.7811, 8.6112, 10.7056



16.6771, 7.9331, 30.7893



0.5445, 0.2598, 0.9697

Inverse Universe

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



27.2523, 22.5976, 20.3790



45.6744, 35.4652, 29.5915



27.1868, 36.5172, 30.3631



8.5233, 8.5160, 8.9879



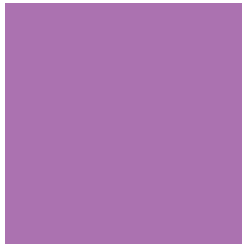
13.2053, 6.7997, 0.9752



0.4246, 0.2176, 0.0787

Previews

White Background



This preview shows how the XYZ color 30.6484, 23.8271, 44.0580 looks on a white background.

Color Contrast Check

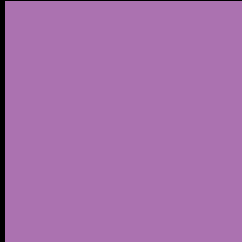
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6484, 23.8271, 44.0580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

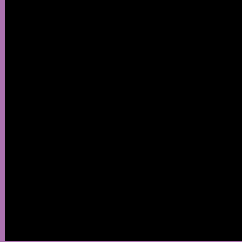
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6484, 23.8271, 44.0580

Background



This preview shows how black text looks on a background with the XYZ color 30.6484, 23.8271, 44.0580.



This preview shows how white text looks on a background with the XYZ color 30.6484, 23.8271,

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

30.6484, 23.8271, 44.0580

Protanopia

24.7480, 23.9332, 52.0304

Deuteranopia

24.5465, 24.0317, 42.8800



Tritanopia

26.7649, 23.8312, 25.0190

Trichromacy



Original Color

30.6484, 23.8271, 44.0580

Protanomaly

26.2439, 23.4043, 49.0332

Deuteranomaly

26.3013, 23.5629, 43.2063

Tritanomaly

27.9981, 23.7865, 31.1326

Monochromacy



Original Color

30.6484, 23.8271, 44.0580

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.0954, 24.4515, 33.0500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6484, 23.8271, 44.0580 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, 114, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 176)  
}
```

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, 114, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.6484, 23.8271, 44.0580 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, 114, 176) }
```


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

```
.border{ border-color:rgb(171, 114, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6484, 23.8271, 44.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 176) }
```

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

```
.background{ background-color: rgb(171,  
114, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor