

Converting Colors

XYZ(30.7837, 23.3324, 39.9661)

Have a look what the booklet for
XYZ(30.7837, 23.3324, 39.9661)
contains.

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Color

**XYZ(30.7753, 23.3261,
39.9261)**

Conversions

Conversions Part 1

Format	Color
Hex	B16EA8
RGB	177, 110, 168
RGB Percent	69%, 43%, 66%
CMY	0.3059, 0.5686, 0.3412
CMYK	0.00, 0.38, 0.05, 0.31
HSL	308°, 30%, 56%
HSV	308°, 38%, 69%
XYZ	30.7753, 23.3261, 39.9261
YIQ	136.6450, 21.3140, 32.2420

Conversions

Conversions Part 2

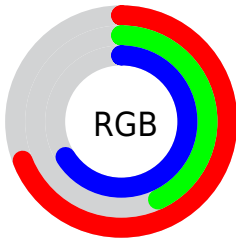
Format	Color
RYB	177, 110, 168
Decimal	11628200
CIELab	55.41, 35.55, -20.04
CIElCh	55, 40.810, 330.596
Yxy	23.3261, 0.3273, 0.2481
Android (android.graphics.Color)	4289818280 (0xFFB16EA8)
YUV	136.6450, 15.4580, 35.3913
Hunter-Lab	48.2971, 29.2217, -15.2057

Details

The XYZ color **30.7753, 23.3261, 39.9261** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.4833, 36.0920, 23.0776**, and the grayscale version is **23.5826, 24.8107, 27.0189**.

A 20% lighter version of the original color is **60.3482, 49.0145, 76.0921**, and **12.9366, 8.7036, 17.5211** is the 20% darker color. If you saturate the color by 10%, you get **28.8336, 19.7936, 38.1960**, and if you desaturate by 10%, it is **33.1039, 27.6251, 41.8056**.

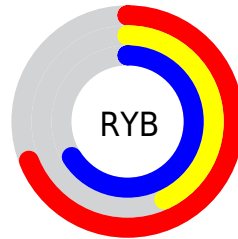
Distribution



Red (69%)

Green (43%)

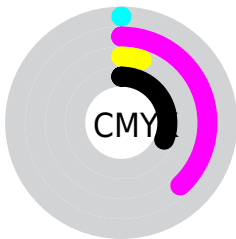
Blue (66%)



Red (69%)

Yellow (43%)

Blue (66%)

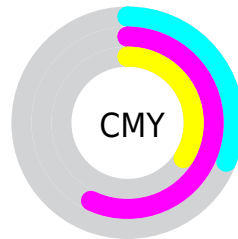


Cyan (0%)

Magenta (38%)

Yellow (5%)

Black (31%)



Cyan (31%)


Magenta (57%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7753, 23.3261, 39.9261 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 30.7753, 23.3261, 39.9261 by changing the saturation by 10% instead.


 30.7753, 23.3261,
39.9261


 30.7753, 23.3261,
39.9261


297.3472,
269.3955, 361.3548


 20.5788, 14.8345,
27.1676


 60.2644, 48.9282,
76.2868


 12.9272, 8.7033,
17.4656


 80.2877, 66.8075,
100.7261

 7.4551, 4.5482,
10.4015


 104.3173, 88.5849,
129.8961

 3.7971, 1.9847,
5.5569

 132.7185,
114.6446, 164.2152

 1.5880, 0.5986,
2.5132

165.8568,
145.3711, 204.1022

 0.3846, 0.0000,
0.8471

204.0974,

 0.0000, 0.0000,

181.1489, 249.9754

0.0000

247.8058,
222.3622, 302.2534

■ 30.7753, 23.3261,
39.9261

■ 30.7753, 23.3261,
39.9261

■ 28.8336, 19.7936,
38.1960

■ 33.1039, 27.6251,
41.8056

■ 27.2538, 16.9789,
36.6063

■ 35.8383, 32.7295,
43.8402

■ 26.0114, 14.8325,
35.1487


■ 38.9985, 38.6791,
46.0370


■ 25.0777, 13.2972,
33.8137


■ 42.6029, 45.5103,
48.4021


■ 24.4194, 12.3063,
32.5901


■ 46.6684, 53.2573,
50.9413


 23.9836, 11.7540,
31.4601

 51.2113, 61.9524,
53.6602

 23.8999, 11.6545,
31.2232

 56.2471, 71.6266,
56.5640

 61.7904, 82.3091,
59.6576

 63.1207, 84.5589,
61.3677

Harmonies

Analogous

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



26.9692, 23.3261, 53.9321



30.7753, 23.3261, 39.9261



32.2102, 23.3261, 25.1364

Triad

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



30.7753, 23.3261, 39.9261



22.0792, 23.3261, 7.5889



15.4130, 23.3261, 40.5442

Complementary

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



30.7753, 23.3261, 39.9261



25.4833, 36.0920, 23.0776

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.



14.4698, 23.3261, 25.6617



30.7753, 23.3261, 39.9261



17.9782, 23.3261, 9.2708

Square

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



30.7753, 23.3261, 39.9261



26.7886, 23.3261, 9.1373



15.3411, 23.3261, 14.9064



18.1167, 23.3261, 54.3671

Rectangle

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



30.7753, 23.3261, 39.9261



31.4931, 23.3261, 17.5092



15.3411, 23.3261, 14.9064



14.8977, 23.3261, 35.3591

Sweetspot

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



30.7760, 23.3271, 39.9266



67.8688, 65.5444, 81.1038



21.1114, 18.2446, 44.0045



14.5449, 13.8967, 17.4636



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.



30.7760, 23.3271, 39.9266



52.3089, 36.6582, 69.0311



28.0510, 22.2371, 25.5769



8.7999, 8.6267, 10.4449



17.3323, 8.4505, 22.7075



0.5589, 0.2713, 0.7857

Inverse Universe

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



30.7760, 23.3271, 39.9266



52.3089, 36.6582, 69.0311



27.8565, 37.0413, 35.5746



8.7999, 8.6267, 10.4449



17.3323, 8.4505, 22.7075



0.5589, 0.2713, 0.7857

Previews

White Background



This preview shows how the XYZ color 30.7753, 23.3261, 39.9261 looks on a white background.

Color Contrast Check

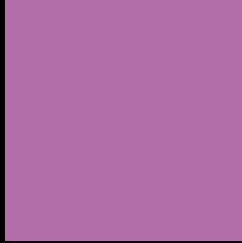
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7753, 23.3261, 39.9261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

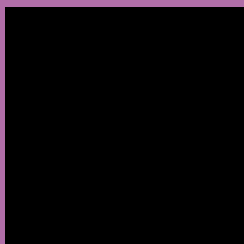
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.7753, 23.3261, 39.9261

Background



This preview shows how black text looks on a background with the XYZ color 30.7753, 23.3261, 39.9261.



This preview shows how white text looks on a background with the XYZ color 30.7753, 23.3261,

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

30.7753, 23.3261, 39.9261

Protanopia

24.1041, 23.4752, 48.6081

Deuteranopia

23.8894, 23.3914, 38.3778



Tritanopia

27.3225, 23.2598, 23.1282

Trichromacy



Original Color

30.7753, 23.3261, 39.9261

Protanomaly

25.7663, 22.8692, 45.1757

Deuteranomaly

25.9071, 23.0856, 38.6878

Tritanomaly

28.4688, 23.2131, 28.5713

Monochromacy



Original Color

30.7753, 23.3261, 39.9261

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.8836, 23.9923, 31.2837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7753, 23.3261, 39.9261 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(177, 110, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 110, 168)  
}
```

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(177, 110, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 110, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.7753, 23.3261, 39.9261 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(177, 110, 168) }
```


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

```
.border{ border-color:rgb(177, 110, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 110, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 110, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 110, 168);  
box-shadow:4px 4px 4px 4px rgb(177, 110,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7753, 23.3261, 39.9261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 110, 168) }
```

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

```
.background{ background-color: rgb(177,  
110, 168) }
```

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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