

Converting Colors

XYZ(30.3672, 25.1892, 37.8546)

Have a look what the booklet for
XYZ(30.3672, 25.1892, 37.8546)
contains.

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Color

**XYZ(30.3650, 25.2213,
37.9181)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7AA3
RGB	171, 122, 163
RGB Percent	67%, 48%, 64%
CMY	0.3294, 0.5216, 0.3608
CMYK	0.00, 0.29, 0.05, 0.33
HSL	310°, 23%, 57%
HSV	310°, 29%, 67%
XYZ	30.3650, 25.2213, 37.9181
YIQ	141.3250, 16.0430, 23.1390

Conversions

Conversions Part 2

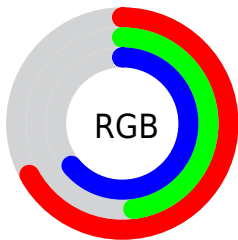
Format	Color
R_{YB}	171, 122, 163
Decimal	11238051
CIE _{Lab}	57.29, 25.90, -14.35
CIE _{LCh}	57, 29.609, 331.016
Yxy	25.2213, 0.3247, 0.2697
Android (android.graphics.Color)	4289428131 (0xFFAB7AA3)
YUV	141.3250, 10.6858, 26.0250
Hunter-Lab	50.2208, 20.0400, -9.6110

Details

The XYZ color **30.3650, 25.2213, 37.9181** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.6193, 34.8760, 26.4493**, and the grayscale version is **25.4005, 26.7233, 29.1017**.

A 20% lighter version of the original color is **59.6634, 52.0528, 73.2323**, and **12.6578, 9.6340, 16.2313** is the 20% darker color. If you saturate the color by 10%, you get **28.2000, 21.2870, 35.9759**, and if you desaturate by 10%, it is **32.9065, 29.8990, 40.0136**.

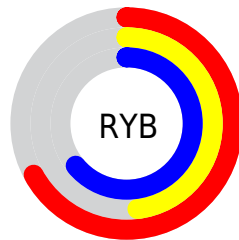
Distribution



Red (67%)

Green (48%)

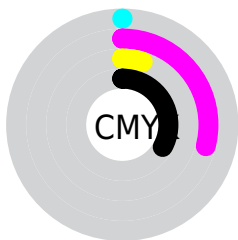
Blue (64%)



Red (67%)

Yellow (48%)

Blue (64%)

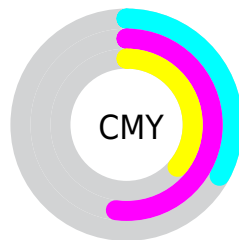


Cyan (0%)

Magenta (29%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3650, 25.2213, 37.9181 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 30.3650, 25.2213, 37.9181 by changing the saturation by 10% instead.

■ 30.3650, 25.2213,
37.9181

■ 30.3650, 25.2213,
37.9181

295.4815,
278.9382, 352.5562

■ 20.2652, 16.2420,
25.6178

■ 59.6216, 52.0160,
73.1846

■ 12.6974, 9.6956,
16.3147

■ 79.5092, 70.6002,
96.9879

■ 7.2961, 5.1976,
9.5904

■ 103.3900, 93.1548,
125.4626

■ 3.6959, 2.3637,
5.0262

131.6296,
120.0643, 159.0273

■ 1.5316, 0.8071,
2.2036

164.5931,
151.7130, 198.1004

■ 0.3472, 0.0000,
0.6765

202.6461,

■ 0.0000, 0.0000,

188.4853, 243.1006

0.0000

246.1537,
230.7656, 294.4463

■ 30.3650, 25.2213,
37.9181

■ 30.3650, 25.2213,
37.9181

■ 28.2000, 21.2870,
35.9759

■ 32.9065, 29.8990,
40.0136

■ 26.3899, 18.0539,
34.1788

■ 35.8401, 35.3525,
42.2670

■ 24.9141, 15.4809,
32.5201

■ 39.1835, 41.6167,
44.6845

■ 23.7494, 13.5211,
30.9918

■ 42.9525, 48.7229,
47.2717

■ 22.8691, 12.1217,
29.5848

■ 47.1621, 56.7013,
50.0337

■ 22.2422, 11.2206,
28.2887

■ 51.8264, 65.5801,
52.9753

■ 21.8124, 10.7051,
27.0845

■ 56.9592, 75.3866,
56.1014

■ 21.7588, 10.6436,
26.9258

■ 61.3476, 83.6951,
59.0077

■ 61.6460, 83.8145,
60.5794

Harmonies

Analogous

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



27.6158, 25.2213, 47.5506



30.3650, 25.2213, 37.9181



31.3628, 25.2213, 27.1208

Triad

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



30.3650, 25.2213, 37.9181



23.8528, 25.2213, 12.3293



18.6469, 25.2213, 38.6581

Complementary

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



30.3650, 25.2213, 37.9181



26.6193, 34.8760, 26.4493

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.



17.8445, 25.2213, 27.8055



30.3650, 25.2213, 37.9181



20.6639, 25.2213, 14.0175

Square

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



30.3650, 25.2213, 37.9181



27.3889, 25.2213, 13.8000



18.5460, 25.2213, 19.1295



20.8520, 25.2213, 48.0459

Rectangle

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



30.3650, 25.2213, 37.9181



30.8307, 25.2213, 21.1041



18.5460, 25.2213, 19.1295



18.2144, 25.2213, 34.9829

Sweetspot

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



30.3658, 25.2224, 37.9186



63.9037, 62.7852, 75.4857



23.4178, 21.5552, 41.4550



14.0757, 13.6748, 16.7023



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.3658, 25.2224, 37.9186



51.9970, 40.8237, 65.8078



28.4262, 24.4466, 27.7051



8.2801, 8.1253, 9.7856



16.4191, 8.0302, 20.3840



0.4715, 0.2293, 0.6446

Inverse Universe

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



30.3658, 25.2224, 37.9186



51.9970, 40.8237, 65.8078



28.4101, 35.5923, 35.8799



8.2801, 8.1253, 9.7856



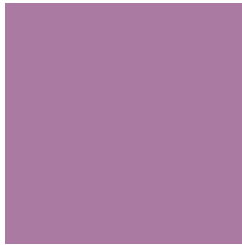
16.4191, 8.0302, 20.3840



0.4715, 0.2293, 0.6446

Previews

White Background



This preview shows how the XYZ color 30.3650, 25.2213, 37.9181 looks on a white background.

Color Contrast Check

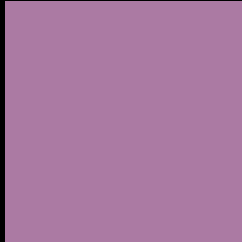
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3650, 25.2213, 37.9181 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 30.3650, 25.2213, 37.9181

Background



This preview shows how black text looks on a background with the XYZ color 30.3650, 25.2213, 37.9181.



This preview shows how white text looks on a background with the XYZ color 30.3650, 25.2213,

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

30.3650, 25.2213, 37.9181

Protanopia

25.4002, 25.2926, 43.0784

Deuteranopia

25.9122, 25.4766, 37.2700



Tritanopia

28.2532, 25.3097, 27.0631

Trichromacy



Original Color

30.3650, 25.2213, 37.9181

Protanomaly

26.7793, 25.0265, 40.9553

Deuteranomaly

27.2667, 25.1532, 37.6004

Tritanomaly

28.8841, 25.1776, 30.5315

Monochromacy



Original Color

30.3650, 25.2213, 37.9181

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.8988, 25.8955, 32.0144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3650, 25.2213, 37.9181 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, 122, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 122, 163)  
}
```

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, 122, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 122, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.3650, 25.2213, 37.9181 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, 122, 163) }
```


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

```
.border{ border-color:rgb(171, 122, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 122, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 122, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 122, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 122,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3650, 25.2213, 37.9181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 122, 163) }
```

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

```
.background{ background-color: rgb(171,  
122, 163) }
```

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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