

Converting Colors

XYZ(37.1604, 30.6307, 72.5230)

Have a look what the booklet for
XYZ(37.1604, 30.6307, 72.5230)
contains.

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Color

**XYZ(37.1651, 30.7213,
72.3776)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A488DD |
| RGB | 164, 136, 221 |
| RGB Percent | 64%, 53%, 87% |
| CMY | 0.3569, 0.4667, 0.1333 |
| CMYK | 0.26, 0.38, 0.00, 0.13 |
| HSL | 260°, 56%, 70% |
| HSV | 260°, 38%, 87% |
| XYZ | 37.1651, 30.7213, 72.3776 |
| YIQ | 154.0620, -10.5970, 32.3710 |

Conversions

Conversions Part 2

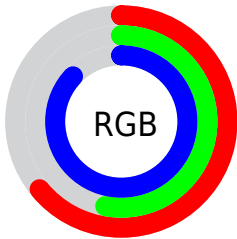
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 164, 136, 221 |
| Decimal | 10782941 |
| CIELab | 62.27, 28.25, -39.60 |
| CIELCh | 62, 48.638, 305.504 |
| Yxy | 30.7213, 0.2650, 0.2190 |
| Android (android.graphics.Color) | 4288973021 (0xFFA488DD) |
| YUV | 154.0620, 33.0004, 8.7156 |
| Hunter-Lab | 55.4268, 22.6920, -38.6235 |

Details

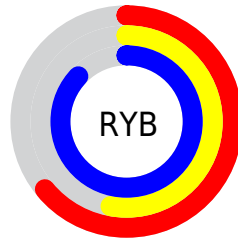
The XYZ color **37.1651, 30.7213, 72.3776** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.2936, 64.8286, 33.0508**, and the grayscale version is **30.6064, 32.2003, 35.0661**.

A 20% lighter version of the original color is **65.9787, 59.2626, 102.5691**, and **16.5497, 12.6872, 37.1739** is the 20% darker color. If you saturate the color by 10%, you get **31.4854, 23.6400, 71.3107**, and if you desaturate by 10%, it is **43.8451, 39.2721, 73.6765**.

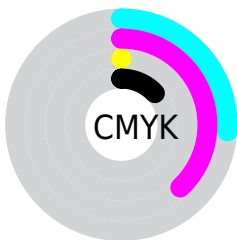
Distribution



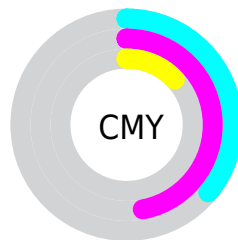
- Red (64%)
- Green (53%)
- Blue (87%)



- Red (64%)
- Yellow (53%)
- Blue (87%)



- Cyan (26%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)



- Cyan (36%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1651, 30.7213, 72.3776 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 37.1651, 30.7213, 72.3776 by changing the saturation by 10% instead.

37.1651, 30.7213,
72.3776

37.1651, 30.7213,
72.3776

325.3679,
305.2523, 487.8676

25.5096, 20.3867,
52.9785

70.1388, 60.8010,
124.3059

16.5879, 12.6765,
37.3980

92.1878, 81.3149,
157.6722

10.0346, 7.2061,
25.2176

118.4319,
105.9908, 196.5313

5.4843, 3.5914,
16.0187

149.2366,
135.2129, 241.3017

2.5718, 1.4477,
9.3829

184.9672,
169.3657, 292.4020

0.9316, 0.2515,
4.8916

225.9890,

0.0000, 0.0000,

208.8336, 350.2508

2.1262

272.6675,
254.0010, 415.2665

■ 0.0000, 0.0000,
0.6313

■ 0.0000, 0.0000,
0.0000

■ 37.1651, 30.7213,
72.3776

■ 37.1651, 30.7213,
72.3776

■ 31.4854, 23.6400,
71.3107

■ 43.8451, 39.2721,
73.6765

■ 26.7507, 17.9389,
70.4598

■ 51.5701, 49.3673,
75.2179

■ 22.9053, 13.5242,
69.8103

■ 60.3857, 61.0812,
77.0143

■ 19.8851, 10.2885,
69.3450

■ 70.3341, 74.4819,
79.0766

■ 17.6167, 8.1062,
69.0433

■ 81.4548, 89.6338,
81.4151

■ 15.9963, 6.7935,
68.8753

■ 89.2911, 97.6087,
82.5414

■ 15.7838, 6.6292,
68.8548

■ 90.0512, 98.0005,
82.5769

Harmonies

Analogous

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



30.4277, 30.7213, 83.9115



37.1651, 30.7213, 72.3776



42.2653, 30.7213, 50.7995

Triad

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



37.1651, 30.7213, 72.3776



34.7553, 30.7213, 10.1522



18.3467, 30.7213, 37.0404

Complementary

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



37.1651, 30.7213, 72.3776



52.2936, 64.8286, 33.0508

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.



19.1493, 30.7213, 20.5832



37.1651, 30.7213, 72.3776



28.0051, 30.7213, 8.8201

Square

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



37.1651, 30.7213, 72.3776



40.7343, 30.7213, 16.5354



22.4624, 30.7213, 11.8008



20.0782, 30.7213, 59.1583

Rectangle

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



37.1651, 30.7213, 72.3776



43.6857, 30.7213, 36.3665



22.4624, 30.7213, 11.8008



18.3325, 30.7213, 30.6942

Sweetspot

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



37.1662, 30.7225, 72.3783



78.9028, 78.3204, 105.5665



42.5158, 49.0764, 75.6390



16.5418, 16.3027, 22.5248



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.1662, 30.7225, 72.3783



45.0770, 34.5808, 98.9067



47.1481, 35.8684, 72.8455



12.7407, 12.8245, 16.4560



9.2758, 3.9060, 40.0035



0.6901, 0.2990, 2.5958

Inverse Universe

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



48.2495, 36.8318, 55.0193



62.7268, 44.3275, 70.4601



43.1724, 60.1265, 32.6239



13.4225, 13.1981, 15.4861



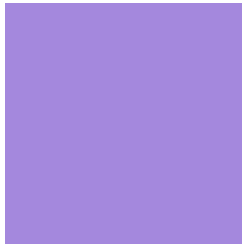
20.4909, 10.1974, 17.4968



1.3666, 0.6763, 1.3397

Previews

White Background



This preview shows how the XYZ color 37.1651, 30.7213, 72.3776 looks on a white background.

Color Contrast Check

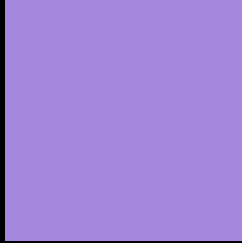
Large Text (above 18pt) WCAG AA × Fail

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 37.1651, 30.7213, 72.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

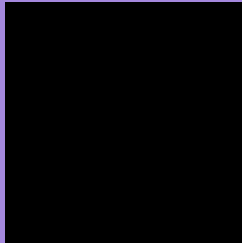
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1651, 30.7213, 72.3776

Background



This preview shows how black text looks on a background with the XYZ color 37.1651, 30.7213, 72.3776.



This preview shows how white text looks on a background with the XYZ color 37.1651, 30.7213,

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

37.1651, 30.7213, 72.3776

Protanopia

32.8989, 31.0143, 79.8537

Deuteranopia

31.5707, 30.7678, 70.6045



Tritanopia

30.2295, 30.8053, 37.6105

Trichromacy



Original Color

37.1651, 30.7213, 72.3776

Protanomaly

34.1549, 30.8109, 76.8200

Deuteranomaly

33.2407, 30.4643, 71.1461

Tritanomaly

32.3214, 30.4920, 48.4380

Monochromacy



Original Color

37.1651, 30.7213, 72.3776

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.5702, 31.3509, 46.4542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1651, 30.7213, 72.3776 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(164, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 136, 221)  
}
```

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(164, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 136, 221) }
```

Border

The CSS property to change the border of an element to XYZ 37.1651, 30.7213, 72.3776 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(164, 136, 221) }
```


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

```
.border{ border-color:rgb(164, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(164, 136,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1651, 30.7213, 72.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 136, 221) }
```

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

```
.background{ background-color: rgb(164,  
136, 221) }
```

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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