

Converting Colors

XYZ(37.6267, 30.4025, 75.6441)

Have a look what the booklet for
XYZ(37.6267, 30.4025, 75.6441)
contains.

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Color

**XYZ(37.7696, 30.5405,
75.8557)**

Conversions

Conversions Part 1

Format	Color
Hex	A586E2
RGB	165, 134, 226
RGB Percent	65%, 53%, 89%
CMY	0.3529, 0.4745, 0.1137
CMYK	0.27, 0.41, 0.00, 0.11
HSL	260°, 61%, 71%
HSV	260°, 41%, 89%
XYZ	37.7696, 30.5405, 75.8557
YIQ	153.7570, -11.0560, 35.1840

Conversions

Conversions Part 2

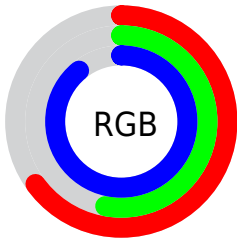
Format	Color
R_{YB}	165, 134, 226
Decimal	10847970
CIE _{Lab}	62.12, 30.88, -42.61
CIE _{LCh}	62, 52.627, 305.931
Yxy	30.5405, 0.2620, 0.2118
Android (android.graphics.Color)	4289038050 (0xFFA586E2)
YUV	153.7570, 35.6158, 9.8601
Hunter-Lab	55.2635, 25.2841, -42.6982

Details

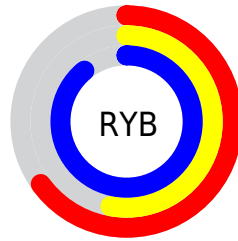
The XYZ color **37.7696, 30.5405, 75.8557** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **54.0057, 67.7166, 32.7796**, and the grayscale version is **30.4621, 32.0485, 34.9008**.

A 20% lighter version of the original color is **66.1574, 58.7160, 102.4542**, and **16.9816, 12.6224, 39.5716** is the 20% darker color. If you saturate the color by 10%, you get **32.0371, 23.4338, 74.7866**, and if you desaturate by 10%, it is **44.5370, 39.1727, 77.1657**.

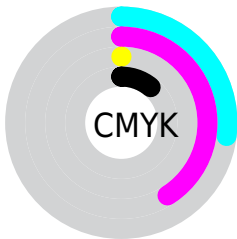
Distribution



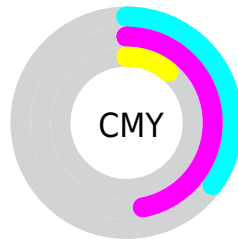
- Red (65%)
- Green (53%)
- Blue (89%)



- Red (65%)
- Yellow (53%)
- Blue (89%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7696, 30.5405, 75.8557 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 37.7696, 30.5405, 75.8557 by changing the saturation by 10% instead.

37.7696, 30.5405,
75.8557

37.7696, 30.5405,
75.8557

327.9286,
304.4158, 500.1873

25.9803, 20.2492,
55.8082

71.0610, 60.5159,
129.2811

16.9415, 12.5763,
39.6462

93.2939, 80.9688,
163.4962

10.2879, 7.1375,
26.9511

119.7387,
105.5777, 203.2708

5.6540, 3.5482,
17.3044

150.7607,
134.7270, 249.0237

2.6745, 1.4242,
10.2875

186.7254,
168.8010, 301.1732

0.9841, 0.2345,
5.4819

227.9980,

0.0000, 0.0000,

208.1842, 360.1379

2.4691

274.9439,
253.2610, 426.3364

■ 0.0000, 0.0000,
0.8237

■ 0.0000, 0.0000,
0.0000

■ 37.7696, 30.5405,
75.8557

■ 37.7696, 30.5405,
75.8557

■ 32.0371, 23.4338,
74.7866

■ 44.5370, 39.1727,
77.1657

■ 27.2806, 17.7567,
73.9415

■ 52.3869, 49.4111,
78.7282

■ 23.4402, 13.4078,
73.3045

■ 61.3680, 61.3351,
80.5564

■ 20.4468, 10.2701,
72.8567

■ 71.5248, 75.0175,
82.6621

■ 18.2200, 8.2051,
72.5755

■ 82.8995, 90.5270,
85.0562

■ 16.7203, 7.0338,
72.4284

■ 90.6948, 98.2541,
86.1368

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



30.4571, 30.5405, 89.0449



37.7696, 30.5405, 75.8557



43.3129, 30.5405, 51.8188

Triad

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



37.7696, 30.5405, 75.8557



34.9401, 30.5405, 8.8501



17.4855, 30.5405, 37.4460

Complementary

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



37.7696, 30.5405, 75.8557



54.0057, 67.7166, 32.7796

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.



18.2896, 30.5405, 19.7548



37.7696, 30.5405, 75.8557



27.6440, 30.5405, 7.5983

Square

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



37.7696, 30.5405, 75.8557



41.5023, 30.5405, 15.2235



21.7511, 30.5405, 10.6234



19.3429, 30.5405, 61.7727

Rectangle

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



37.7696, 30.5405, 75.8557



44.8307, 30.5405, 36.0968



21.7511, 30.5405, 10.6234



17.4581, 30.5405, 30.5634

Sweetspot

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



37.7707, 30.5417, 75.8564



78.9789, 78.3596, 105.5700



43.1498, 49.7400, 79.2786



16.5597, 16.3119, 22.5257



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.



37.7707, 30.5417, 75.8564



43.0863, 31.9866, 98.5109



49.0219, 36.3419, 76.3830



13.3852, 13.4666, 17.2815



9.6523, 4.0713, 41.3255



0.7621, 0.3302, 2.8688

Inverse Universe

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



49.7402, 37.1601, 56.1813



61.2264, 42.0374, 67.7689



43.9556, 62.5356, 32.3092



14.0885, 13.8530, 16.2360



21.0842, 10.5007, 17.6410



1.5027, 0.7443, 1.4398

Previews

White Background



This preview shows how the XYZ color 37.7696, 30.5405, 75.8557 looks on a white background.

Color Contrast Check

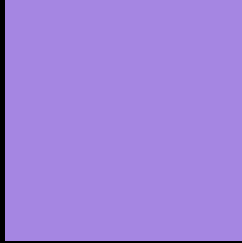
Large Text (above 18pt) WCAG AA × Fail

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 37.7696, 30.5405, 75.8557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

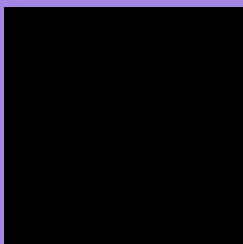
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7696, 30.5405, 75.8557

Background



This preview shows how black text looks on a background with the XYZ color 37.7696, 30.5405, 75.8557.



This preview shows how white text looks on a background with the XYZ color 37.7696, 30.5405,

75.8557.

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

37.7696, 30.5405, 75.8557

Protanopia

32.9222, 30.6949, 84.3103

Deuteranopia

31.5379, 30.6742, 74.0705



Tritanopia

30.0719, 30.4902, 37.5579

Trichromacy



Original Color

37.7696, 30.5405, 75.8557

Protanomaly

34.2125, 30.2975, 81.1356

Deuteranomaly

33.4195, 30.4792, 74.6427

Tritanomaly

32.3788, 30.2737, 49.4843

Monochromacy



Original Color

37.7696, 30.5405, 75.8557

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.7725, 31.4318, 47.5197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7696, 30.5405, 75.8557 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(165, 134, 226)` looks like.

```
.text, #text, p{  
    color:rgb(165, 134, 226)  
}
```

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(165, 134, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 134, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.7696, 30.5405, 75.8557 is called "border". The border property can be set on classes, ids or directly on the HTML element.

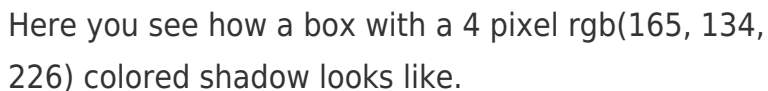
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 134, 226) }
```


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

```
.border{ border-color:rgb(165, 134, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 134, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 134, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 134, 226); box-shadow:4px 4px 4px 4px rgb(165, 134, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7696, 30.5405, 75.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 134, 226) }
```

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

```
.background{ background-color: rgb(165,  
134, 226) }
```

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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