

Converting Colors

XYZ(16.6393, 13.0852, 37.7113)

Have a look what the booklet for
XYZ(16.6393, 13.0852, 37.7113)
contains.

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Color

**XYZ(16.6397, 13.0861,
37.7253)**

Conversions

Conversions Part 1

Format	Color
Hex	6C59A6
RGB	108, 89, 166
RGB Percent	42%, 35%, 65%
CMY	0.5765, 0.6510, 0.3490
CMYK	0.35, 0.46, 0.00, 0.35
HSL	255°, 30%, 50%
HSV	255°, 46%, 65%
XYZ	16.6397, 13.0861, 37.7253
YIQ	103.4590, -13.3930, 27.9750

Conversions

Conversions Part 2

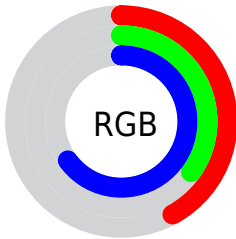
Format	Color
R _Y B	108, 89, 166
Decimal	7100838
CIE Lab	42.89, 25.86, -38.93
CIE LCh	43, 46.739, 303.594
Yxy	13.0861, 0.2467, 0.1940
Android (android.graphics.Color)	4285290918 (0xFF6C59A6)
YUV	103.4590, 30.8327, 3.9825
Hunter-Lab	36.1747, 18.8009, -36.5091

Details

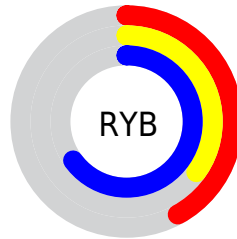
The XYZ color **16.6397, 13.0861, 37.7253** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **27.4721, 34.1970, 14.6043**, and the grayscale version is **12.9375, 13.6112, 14.8226**.

A 20% lighter version of the original color is **37.3177, 31.4205, 73.2052**, and **5.4754, 3.7608, 16.0601** is the 20% darker color. If you saturate the color by 10%, you get **13.9978, 9.8998, 37.2498**, and if you desaturate by 10%, it is **19.8123, 17.0088, 38.3155**.

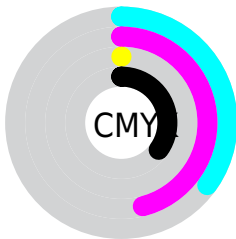
Distribution



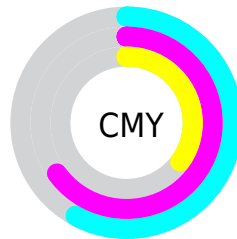
- Red (42%)
- Green (35%)
- Blue (65%)



- Red (42%)
- Yellow (35%)
- Blue (65%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)
- Black (35%)



- Cyan (58%)
- Magenta (65%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6397, 13.0861, 37.7253 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 16.6397, 13.0861, 37.7253 by changing the saturation by 10% instead.

■ 16.6397, 13.0861,
37.7253

■ 16.6397, 13.0861,
37.7253

226.2844,
211.4687, 351.7029

■ 10.0716, 7.4879,
25.4694

■ 37.2538, 31.4584,
72.8856

■ 5.5091, 3.7690,
16.2049

■ 52.0306, 45.0012,
96.6272

■ 2.5868, 1.5452,
9.5133

■ 70.2743, 61.9610,
125.0343

■ 0.9392, 0.3202,
4.9761

■ 92.3503, 82.7222,
158.5255

■ 0.0000, 0.0000,
2.1748

■ 118.6239,
107.6692, 197.5195

■ 0.0000, 0.0000,
0.6598

149.4606,

■ 0.0000, 0.0000,

137.1864, 242.4347

0.0000

185.2256,
171.6581, 293.6896

■ 16.6397, 13.0861,
37.7253

■ 16.6397, 13.0861,
37.7253

■ 13.9978, 9.8998,
37.2498

■ 19.8123, 17.0088,
38.3155

■ 11.8545, 7.4012,
36.8805

■ 23.5418, 21.7093,
39.0262

■ 10.1766, 5.5380,
36.6093

■ 27.8548, 27.2277,
39.8640

■ 8.9258, 4.2495,
36.4265

■ 32.7754, 33.6008,
40.8348

■ 8.0518, 3.4524,
36.3187

■ 38.3264, 40.8633,
41.9441

■ 7.7960, 3.2239,
36.2881

■ 44.5295, 49.0478,
43.1969

■ 51.4052, 58.1853,
44.5982

■ 58.9732, 68.3054,
46.1527

■ 67.2524, 79.4362,
47.8648

Harmonies

Analogous

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



12.8736, 13.0861, 44.2883



16.6397, 13.0861, 37.7253



19.6619, 13.0861, 24.9124

Triad

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



16.6397, 13.0861, 37.7253



15.7503, 13.0861, 2.8926



6.7640, 13.0861, 15.5179

Complementary

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



16.6397, 13.0861, 37.7253



27.4721, 34.1970, 14.6043

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.



7.2435, 13.0861, 7.1672



16.6397, 13.0861, 37.7253



12.0122, 13.0861, 2.2512

Square

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



16.6397, 13.0861, 37.7253



19.0833, 13.0861, 5.8991



9.0107, 13.0861, 3.3399



7.5480, 13.0861, 28.1434

Rectangle

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



16.6397, 13.0861, 37.7253



20.5907, 13.0861, 16.5585



9.0107, 13.0861, 3.3399



6.7836, 13.0861, 12.1641

Sweetspot

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



16.6402, 13.0866, 37.7256



52.3570, 51.7407, 72.7027



21.5983, 26.0677, 39.9699



11.3202, 11.0676, 16.1918



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.6402, 13.0866, 37.7256



25.1222, 17.6323, 67.5546



22.2152, 15.9606, 37.9865



7.2988, 7.3866, 9.4594



6.0824, 2.5190, 28.1411



0.1929, 0.0844, 0.6868

Inverse Universe

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



24.5650, 17.3587, 29.6594



41.6145, 26.5438, 49.8300



21.8123, 31.2792, 14.3395



7.7616, 7.6345, 9.0618



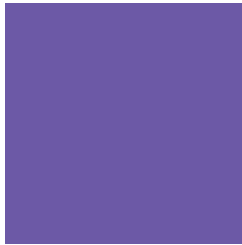
15.0861, 7.4432, 15.7970



0.3856, 0.1885, 0.4818

Previews

White Background



This preview shows how the XYZ color 16.6397, 13.0861, 37.7253 looks on a white 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

Black Background



This preview shows how the XYZ color 16.6397, 13.0861, 37.7253 looks on a black 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

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

XYZ 16.6397, 13.0861, 37.7253

Background



This preview shows how black text looks on a background with the XYZ color 16.6397, 13.0861, 37.7253.



This preview shows how white text looks on a background with the XYZ color 16.6397, 13.0861,

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

16.6397, 13.0861, 37.7253

Protanopia

14.5144, 13.2121, 42.3426

Deuteranopia

13.5422, 13.2709, 36.4981



Tritanopia

12.3897, 13.1153, 16.6304

Trichromacy



Original Color

16.6397, 13.0861, 37.7253

Protanomaly

15.0183, 12.9568, 40.7391

Deuteranomaly

14.3689, 12.9791, 36.8698

Tritanomaly

13.5595, 12.8704, 22.8887

Monochromacy



Original Color

16.6397, 13.0861, 37.7253

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.9593, 13.2450, 21.5595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6397, 13.0861, 37.7253 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(108, 89, 166)` looks like.

```
.text, #text, p{  
    color:rgb(108, 89, 166)  
}
```

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(108, 89, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 89, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.6397, 13.0861, 37.7253 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(108, 89, 166) }
```


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

```
.border{ border-color:rgb(108, 89, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 89, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 89, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 89, 166);  
box-shadow:4px 4px 4px 4px rgb(108, 89,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6397, 13.0861, 37.7253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 89, 166) }
```

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

```
.background{ background-color: rgb(108, 89,  
166) }
```

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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