

Converting Colors

XYZ(17.3725, 13.1117, 37.2130)

Have a look what the booklet for
XYZ(17.3725, 13.1117, 37.2130)
contains.

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Color

**XYZ(17.3218, 13.0852,
37.2100)**

Conversions

Conversions Part 1

Format	Color
Hex	7456A5
RGB	116, 86, 165
RGB Percent	45%, 34%, 65%
CMY	0.5451, 0.6627, 0.3529
CMYK	0.30, 0.48, 0.00, 0.35
HSL	263°, 31%, 49%
HSV	263°, 48%, 65%
XYZ	17.3218, 13.0852, 37.2100
YIQ	103.9760, -7.4790, 30.9290

Conversions

Conversions Part 2

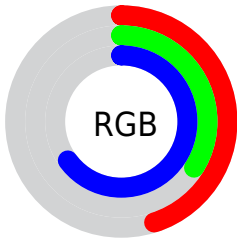
Format	Color
R _{YB}	116, 86, 165
Decimal	7624357
CIE Lab	42.89, 29.64, -38.29
CIE LCh	43, 48.422, 307.739
Yxy	13.0852, 0.2562, 0.1935
Android (android.graphics.Color)	4285814437 (0xFF7456A5)
YUV	103.9760, 30.0848, 10.5450
Hunter-Lab	36.1735, 22.1718, -35.6675

Details

The XYZ color **17.3218, 13.0852, 37.2100** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **25.1267, 32.7332, 13.7983**, and the grayscale version is **13.0757, 13.7566, 14.9809**.

A 20% lighter version of the original color is **38.3000, 31.3217, 71.7372**, and **5.8205, 3.7333, 16.0366** is the 20% darker color. If you saturate the color by 10%, you get **14.8671, 10.0849, 36.7605**, and if you desaturate by 10%, it is **20.2315, 16.7720, 37.7685**.

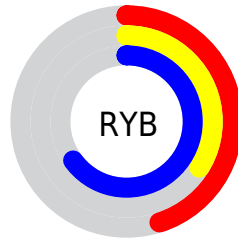
Distribution



Red (45%)

Green (34%)

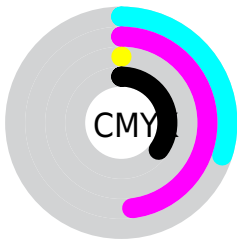
Blue (65%)



Red (45%)

Yellow (34%)

Blue (65%)

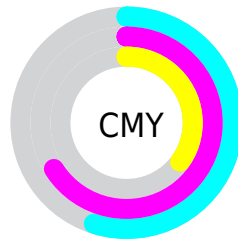


Cyan (30%)

Magenta (48%)

Yellow (0%)

Black (35%)



Cyan (55%)

Magenta (66%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3218, 13.0852, 37.2100 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 17.3218, 13.0852, 37.2100 by changing the saturation by 10% instead.

■ 17.3218, 13.0852,
37.2100

■ 17.3218, 13.0852,
37.2100

230.1403,
211.4630, 349.4148

■ 10.5609, 7.4872,
25.0731

■ 38.4175, 31.4568,
72.0856

■ 5.8375, 3.7686,
15.9120

■ 53.4829, 44.9992,
95.6613

■ 2.7863, 1.5450,
9.3082

■ 72.0473, 61.9585,
123.8870

■ 1.0418, 0.3201,
4.8432

■ 94.4760, 82.7192,
157.1813

■ 0.0000, 0.0000,
2.0984

■ 121.1342,
107.6655, 195.9627

■ 0.0000, 0.0000,
0.6148

152.3875,

■ 0.0000, 0.0000,

137.1820, 240.6497

0.0000

188.6011,
171.6531, 291.6609

■ 17.3218, 13.0852,
37.2100

■ 17.3218, 13.0852,
37.2100

■ 14.8671, 10.0849,
36.7605

■ 20.2315, 16.7720,
37.7685

■ 12.8398, 7.7246,
36.4118

■ 23.6186, 21.1845,
38.4417

■ 11.2114, 5.9544,
36.1559

■ 27.5054, 26.3608,
39.2359

■ 9.9486, 4.7155,
35.9833

■ 31.9128, 32.3357,
40.1569

■ 8.9985, 3.9108,
35.8781

■ 36.8599, 39.1420,
41.2099

■ 8.8199, 3.7623,
35.8588

■ 42.3652, 46.8104,
42.3999

■ 48.4460, 55.3702,
43.7316

■ 55.1191, 64.8493,
45.2096

■ 62.4005, 75.2743,
46.8380

Harmonies

Analogous

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



13.4204, 13.0852, 45.4930



17.3218, 13.0852, 37.2100



20.2552, 13.0852, 23.4482

Triad

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



17.3218, 13.0852, 37.2100



15.3328, 13.0852, 2.4841



6.6337, 13.0852, 17.1726

Complementary

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



17.3218, 13.0852, 37.2100



25.1267, 32.7332, 13.7983

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.



6.9446, 13.0852, 7.8368



17.3218, 13.0852, 37.2100



11.5030, 13.0852, 2.0907

Square

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



17.3218, 13.0852, 37.2100



18.9572, 13.0852, 5.0588



8.5696, 13.0852, 3.4431



7.6150, 13.0852, 30.7196

Rectangle

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



17.3218, 13.0852, 37.2100



20.9905, 13.0852, 15.0668



8.5696, 13.0852, 3.4431



6.5947, 13.0852, 13.4586

Sweetspot

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



17.3223, 13.0857, 37.2103



52.0088, 50.9166, 70.8391



19.4385, 22.3131, 38.8798



11.0262, 10.6670, 15.4153



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.3223, 13.0857, 37.2103



26.5591, 17.9816, 65.8233



23.5351, 16.2885, 37.5011



6.9429, 6.9849, 8.8854



6.7243, 2.8730, 27.1299



0.1928, 0.0869, 0.5725

Inverse Universe

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



23.2182, 16.4045, 24.8643



38.6787, 24.8199, 39.7166



20.0154, 30.0983, 13.5591



7.2497, 7.1563, 8.3015



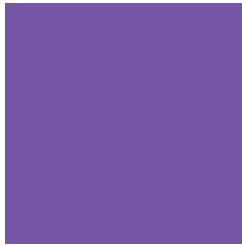
13.5908, 6.7924, 10.3015



0.3075, 0.1515, 0.3318

Previews

White Background



This preview shows how the XYZ color 17.3218, 13.0852, 37.2100 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 17.3218, 13.0852, 37.2100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

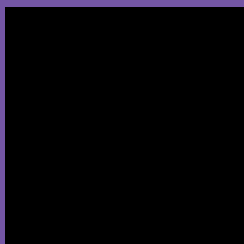
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3218, 13.0852, 37.2100

Background



This preview shows how black text looks on a background with the XYZ color 17.3218, 13.0852, 37.2100.



This preview shows how white text looks on a background with the XYZ color 17.3218, 13.0852,

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

17.3218, 13.0852, 37.2100

Protanopia

14.6444, 13.2563, 43.3818

Deuteranopia

13.5877, 13.3047, 36.0343



Tritanopia

13.0367, 13.1791, 15.7666

Trichromacy



Original Color

17.3218, 13.0852, 37.2100

Protanomaly

15.2017, 12.9074, 41.2253

Deuteranomaly

14.5400, 12.9414, 36.3819

Tritanomaly

14.2952, 12.9941, 22.1768

Monochromacy



Original Color

17.3218, 13.0852, 37.2100

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.2249, 13.2439, 21.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3218, 13.0852, 37.2100 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(116, 86, 165)` looks like.

```
.text, #text, p{  
    color:rgb(116, 86, 165)  
}
```

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(116, 86, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 86, 165) }
```

Border

The CSS property to change the border of an element to XYZ 17.3218, 13.0852, 37.2100 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(116, 86, 165) }
```


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

```
.border{ border-color:rgb(116, 86, 165) }
```

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

Here you see how a box with a 4 pixel rgb(116, 86, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 86, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 86, 165);  
box-shadow:4px 4px 4px 4px rgb(116, 86,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3218, 13.0852, 37.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 86, 165) }
```

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

```
.background{ background-color: rgb(116, 86,  
165) }
```

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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