

Converting Colors

XYZ(16.8295, 13.8228, 37.8574)

Have a look what the booklet for
XYZ(16.8295, 13.8228, 37.8574)
contains.

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Color

**XYZ(16.8295, 13.8228,
37.8574)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5EA6
RGB	106, 94, 166
RGB Percent	42%, 37%, 65%
CMY	0.5843, 0.6314, 0.3490
CMYK	0.36, 0.43, 0.00, 0.35
HSL	250°, 29%, 51%
HSV	250°, 43%, 65%
XYZ	16.8295, 13.8228, 37.8574
YIQ	105.7960, -15.9600, 24.9360

Conversions

Conversions Part 2

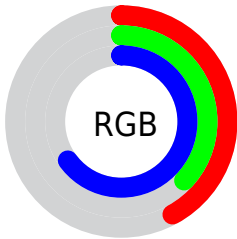
Format	Color
R_{YB}	106, 94, 166
Decimal	6971046
CIE _{Lab}	43.98, 22.24, -37.23
CIE _{LCh}	44, 43.364, 300.860
Yxy	13.8228, 0.2457, 0.2018
Android (android.graphics.Color)	4285161126 (0xFF6A5EA6)
YUV	105.7960, 29.6806, 0.1789
Hunter-Lab	37.1790, 15.7367, -34.3465

Details

The XYZ color **16.8295, 13.8228, 37.8574** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.9832, 34.9508, 15.8088**, and the grayscale version is **13.5689, 14.2755, 15.5460**.

A 20% lighter version of the original color is **37.5216, 32.6406, 72.7293**, and **5.6155, 4.1131, 16.4175** is the 20% darker color. If you saturate the color by 10%, you get **13.9956, 10.4014, 37.3466**, and if you desaturate by 10%, it is **20.2471, 18.0168, 38.4871**.

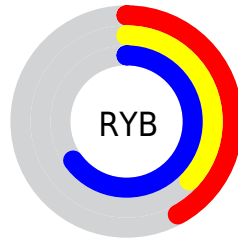
Distribution



Red (42%)

Green (37%)

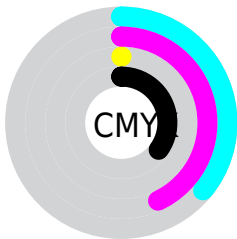
Blue (65%)



Red (42%)

Yellow (37%)

Blue (65%)

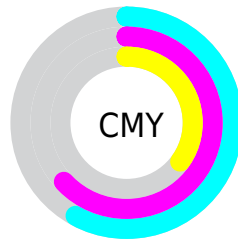


Cyan (36%)

Magenta (43%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (63%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8295, 13.8228, 37.8574 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 16.8295, 13.8228, 37.8574 by changing the saturation by 10% instead.

■ 16.8295, 13.8228,
37.8574

■ 16.8295, 13.8228,
37.8574

227.3634,
216.1257, 352.2877

■ 10.2076, 7.9975,
25.5711

■ 37.5783, 32.7743,
73.0905

■ 5.6001, 4.0934,
16.2801

■ 52.4359, 46.6693,
96.8744

■ 2.6418, 1.7259,
9.5661

■ 70.7694, 64.0230,
125.3278

■ 0.9673, 0.4404,
5.0104

■ 92.9442, 85.2197,
158.8694

■ 0.0000, 0.0000,
2.1945

119.3257,
110.6440, 197.9176

■ 0.0000, 0.0000,
0.6712

150.2791,

■ 0.0000, 0.0000,

140.6802, 242.8910

0.0000

186.1699,
175.7126, 294.2082

■ 16.8295, 13.8228,
37.8574

■ 16.8295, 13.8228,
37.8574

■ 13.9956, 10.4014,
37.3466

■ 20.2471, 18.0168,
38.4871

■ 11.7107, 7.7035,
36.9463

■ 24.2773, 23.0254,
39.2414

■ 9.9384, 5.6766,
36.6485

■ 28.9492, 28.8895,
40.1270

■ 8.6375, 4.2602,
36.4437

■ 34.2893, 35.6465,
41.1498

■ 7.7598, 3.3829,
36.3206

■ 40.3227, 43.3319,
42.3153

■ 7.3528, 2.9954,
36.2672

■ 47.0731, 51.9791,
43.6286

■ 54.5633, 61.6198,
45.0946

■ 62.8149, 72.2843,
46.7182

■ 71.8485, 84.0017,
48.5037

Harmonies

Analogous

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



13.2376, 13.8228, 43.0306



16.8295, 13.8228, 37.8574



19.8000, 13.8228, 26.2816

Triad

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



16.8295, 13.8228, 37.8574



16.6276, 13.8228, 3.8306



7.5743, 13.8228, 15.3366

Complementary

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



16.8295, 13.8228, 37.8574



28.9832, 34.9508, 15.8088

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.



8.1683, 13.8228, 7.5852



16.8295, 13.8228, 37.8574



13.0392, 13.8228, 2.9472

Square

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



16.8295, 13.8228, 37.8574



19.6699, 13.8228, 7.2778



10.0304, 13.8228, 3.9459



8.2408, 13.8228, 27.0017

Rectangle

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



16.8295, 13.8228, 37.8574



20.8062, 13.8228, 18.2632



10.0304, 13.8228, 3.9459



7.6321, 13.8228, 12.2388

Sweetspot

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



16.8300, 13.8233, 37.8577



52.6586, 52.5811, 72.8490



23.0550, 28.2444, 40.3132



11.3542, 11.2254, 16.2204



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.



16.8300, 13.8233, 37.8577



25.5897, 19.1036, 67.8139



22.0414, 16.5099, 38.1016



7.2440, 7.3584, 9.4569



5.7297, 2.3372, 28.1246



0.1724, 0.0739, 0.6858

Inverse Universe

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



25.5616, 18.4459, 32.7851



43.6842, 28.6977, 56.6411



23.1282, 31.9325, 15.5348



7.7874, 7.6448, 9.1977



15.7854, 7.7229, 19.4793



0.3979, 0.1934, 0.5467

Previews

White Background



This preview shows how the XYZ color 16.8295, 13.8228, 37.8574 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 16.8295, 13.8228, 37.8574 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 16.8295, 13.8228, 37.8574

Background



This preview shows how black text looks on a background with the XYZ color 16.8295, 13.8228, 37.8574.

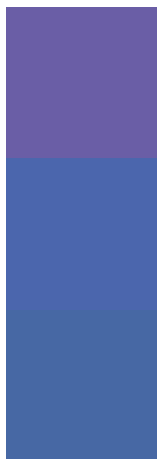


This preview shows how white text looks on a background with the XYZ color 16.8295, 13.8228,

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

16.8295, 13.8228, 37.8574

Protanopia

15.1958, 14.0157, 41.4396

Deuteranopia

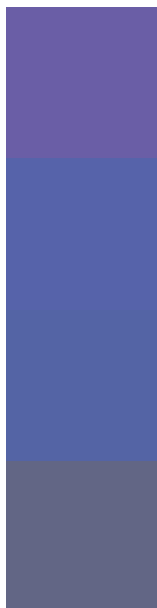
14.2497, 13.9206, 37.0579



Tritanopia

12.8074, 13.9027, 17.9280

Trichromacy



Original Color

16.8295, 13.8228, 37.8574

Protanomaly

15.5553, 13.8044, 39.8749

Deuteranomaly

15.0049, 13.7158, 37.4539

Tritanomaly

14.0220, 13.7929, 24.1136

Monochromacy



Original Color

16.8295, 13.8228, 37.8574

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5915, 14.1254, 22.3795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8295, 13.8228, 37.8574 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(106, 94, 166)` looks like.

```
.text, #text, p{  
    color:rgb(106, 94, 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(106, 94, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 94, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.8295, 13.8228, 37.8574 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(106, 94, 166) }
```


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

```
.border{ border-color:rgb(106, 94, 166) }
```

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

Here you see how a box with a 4 pixel rgb(106, 94, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 94, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 94, 166);  
box-shadow:4px 4px 4px 4px rgb(106, 94,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8295, 13.8228, 37.8574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 94, 166) }
```

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

```
.background{ background-color: rgb(106, 94,  
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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