

Converting Colors

XYZ(16.5317, 13.8524, 30.9809)

Have a look what the booklet for
XYZ(16.5317, 13.8524, 30.9809)
contains.

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Color

**XYZ(16.5280, 13.8172,
31.0740)**

Conversions

Conversions Part 1

Format	Color
Hex	725E97
RGB	114, 94, 151
RGB Percent	45%, 37%, 59%
CMY	0.5529, 0.6314, 0.4078
CMYK	0.25, 0.38, 0.00, 0.41
HSL	261°, 23%, 48%
HSV	261°, 38%, 59%
XYZ	16.5280, 13.8172, 31.0740
YIQ	106.4780, -6.3770, 21.9670

Conversions

Conversions Part 2

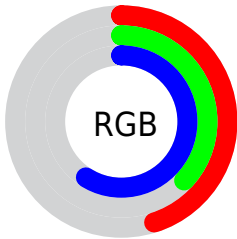
Format	Color
R_{YB}	114, 94, 151
Decimal	7495319
CIE _{Lab}	43.97, 20.59, -28.28
CIE _{LCh}	44, 34.983, 306.059
Yxy	13.8172, 0.2691, 0.2250
Android (android.graphics.Color)	4285685399 (0xFF725E97)
YUV	106.4780, 21.9493, 6.5968
Hunter-Lab	37.1715, 14.3184, -23.5442

Details

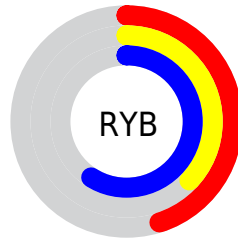
The XYZ color **16.5280, 13.8172, 31.0740** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.4475, 27.7670, 14.7668**, and the grayscale version is **13.7740, 14.4914, 15.7811**.

A 20% lighter version of the original color is **37.0812, 32.8741, 62.1485**, and **5.4716, 4.1240, 12.5642** is the 20% darker color. If you saturate the color by 10%, you get **14.1070, 10.7673, 30.6131**, and if you desaturate by 10%, it is **19.3493, 17.4640, 31.6294**.

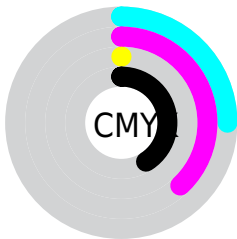
Distribution



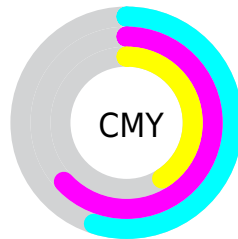
- Red (45%)
- Green (37%)
- Blue (59%)



- Red (45%)
- Yellow (37%)
- Blue (59%)



- Cyan (25%)
- Magenta (38%)
- Yellow (0%)
- Black (41%)



- Cyan (55%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5280, 13.8172, 31.0740 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 16.5280, 13.8172, 31.0740 by changing the saturation by 10% instead.

■ 16.5280, 13.8172,
31.0740

■ 16.5280, 13.8172,
31.0740

225.6472,
216.0906, 321.2408

■ 9.9918, 7.9936,
20.3963

■ 37.0625, 32.7643,
62.4375

■ 5.4557, 4.0909,
12.4965

■ 51.7915, 46.6567,
83.9603

■ 2.5545, 1.7245,
6.9561

■ 69.9822, 64.0074,
109.9353

■ 0.9228, 0.4395,
3.3566

■ 91.9998, 85.2009,
140.7809

■ 0.0000, 0.0000,
1.2795

118.2097,
110.6216, 176.9158

■ 0.0000, 0.0000,
0.0449

148.9774,

■ 0.0000, 0.0000,

140.6539, 218.7583

0.0000

184.6681,
175.6821, 266.7272

■ 16.5280, 13.8172,
31.0740

■ 16.5280, 13.8172,
31.0740

■ 14.1070, 10.7673,
30.6131

■ 19.3493, 17.4640,
31.6294

■ 12.0652, 8.2797,
30.2406

■ 22.5877, 21.7365,
32.2834

■ 10.3815, 6.3186,
29.9508

■ 26.2608, 26.6635,
33.0408

■ 9.0322, 4.8434,
29.7372

■ 30.3845, 32.2715,
33.9059

■ 7.9899, 3.8070,
29.5921

■ 34.9742, 38.5855,
34.8828

7.2088, 3.1258,
29.5018

40.0442, 45.6293,
35.9752

7.0532, 2.9908,
29.4839

45.6085, 53.4256,
37.1867

51.6802, 61.9960,
38.5210

58.2722, 71.3612,
39.9812

Harmonies

Analogous

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



13.7037, 13.8172, 35.9120



16.5280, 13.8172, 31.0740



18.6338, 13.8172, 22.1312

Triad

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



16.5280, 13.8172, 31.0740



15.4176, 13.8172, 4.9588



8.5121, 13.8172, 16.7146

Complementary

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



16.5280, 13.8172, 31.0740



22.4475, 27.7670, 14.7668

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.



8.8375, 13.8172, 9.6596



16.5280, 13.8172, 31.0740



12.5781, 13.8172, 4.3954

Square

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



16.5280, 13.8172, 31.0740



17.9321, 13.8172, 7.7274



10.2377, 13.8172, 5.7683



9.2767, 13.8172, 25.9419

Rectangle

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



16.5280, 13.8172, 31.0740



19.2028, 13.8172, 16.1188



10.2377, 13.8172, 5.7683



8.4993, 13.8172, 14.0192

Sweetspot

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



16.5285, 13.8177, 31.0743



44.6547, 44.5501, 58.6791



18.3255, 20.8606, 32.3390



9.9634, 9.8757, 13.2986



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.5285, 13.8177, 31.0743



26.0120, 20.2135, 54.9643



20.8217, 16.0310, 31.2752



6.0788, 6.1265, 7.7911



6.0288, 2.5590, 25.0839



0.1270, 0.0573, 0.3767

Inverse Universe

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



20.8624, 16.2240, 23.5054



35.0412, 25.2356, 38.7878



18.6295, 25.7987, 14.5881



6.3691, 6.2868, 7.3239



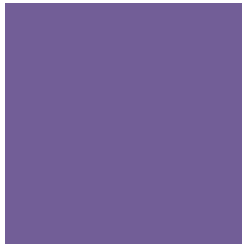
12.7475, 6.3532, 10.4612



0.2077, 0.1018, 0.2464

Previews

White Background



This preview shows how the XYZ color 16.5280, 13.8172, 31.0740 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 16.5280, 13.8172, 31.0740 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 16.5280, 13.8172, 31.0740

Background



This preview shows how black text looks on a background with the XYZ color 16.5280, 13.8172, 31.0740.



This preview shows how white text looks on a background with the XYZ color 16.5280, 13.8172,

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

16.5280, 13.8172, 31.0740

Protanopia

14.6692, 13.9027, 34.2581

Deuteranopia

14.2055, 13.8967, 30.3674



Tritanopia

13.6840, 13.7762, 16.9768

Trichromacy



Original Color

16.5280, 13.8172, 31.0740

Protanomaly

15.2021, 13.7770, 32.8683

Deuteranomaly

14.9920, 13.8577, 30.7388

Tritanomaly

14.6581, 13.7450, 21.6192

Monochromacy



Original Color

16.5280, 13.8172, 31.0740

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5709, 14.1591, 20.3774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5280, 13.8172, 31.0740 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(114, 94, 151)` looks like.

```
.text, #text, p{  
    color:rgb(114, 94, 151)  
}
```

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(114, 94, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 94, 151) }
```

Border

The CSS property to change the border of an element to XYZ 16.5280, 13.8172, 31.0740 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(114, 94, 151) }
```


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

```
.border{ border-color:rgb(114, 94, 151) }
```

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

Here you see how a box with a 4 pixel rgb(114, 94, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 94, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 94, 151);  
box-shadow:4px 4px 4px 4px rgb(114, 94,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5280, 13.8172, 31.0740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 94, 151) }
```

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

```
.background{ background-color: rgb(114, 94,  
151) }
```

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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