

Converting Colors

XYZ(16.4823, 13.3300, 37.3019)

Have a look what the booklet for
XYZ(16.4823, 13.3300, 37.3019)
contains.

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Color

**XYZ(16.5625, 13.4351,
37.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5CA5
RGB	106, 92, 165
RGB Percent	42%, 36%, 65%
CMY	0.5843, 0.6392, 0.3529
CMYK	0.36, 0.44, 0.00, 0.35
HSL	252°, 29%, 50%
HSV	252°, 44%, 65%
XYZ	16.5625, 13.4351, 37.3176
YIQ	104.5080, -15.0890, 25.6710

Conversions

Conversions Part 2

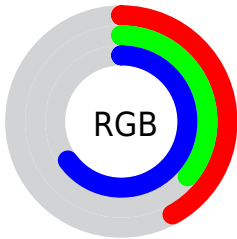
Format	Color
R_{YB}	106, 92, 165
Decimal	6970533
CIE _{Lab}	43.41, 23.19, -37.53
CIE _{LCh}	43, 44.117, 301.713
Yxy	13.4351, 0.2460, 0.1996
Android (android.graphics.Color)	4285160613 (0xFF6A5CA5)
YUV	104.5080, 29.8226, 1.3085
Hunter-Lab	36.6539, 16.5129, -34.7058

Details

The XYZ color **16.5625, 13.4351, 37.3176** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.1497, 34.2626, 15.2554**, and the grayscale version is **13.2201, 13.9085, 15.1464**.

A 20% lighter version of the original color is **37.0885, 31.9869, 71.9295**, and **5.4790, 3.9305, 16.0927** is the 20% darker color. If you saturate the color by 10%, you get **13.8224, 10.1270, 36.8237**, and if you desaturate by 10%, it is **19.8614, 17.4939, 37.9274**.

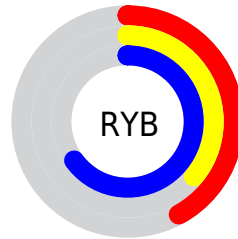
Distribution



Red (42%)

Green (36%)

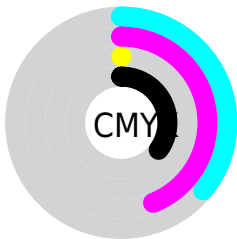
Blue (65%)



Red (42%)

Yellow (36%)

Blue (65%)

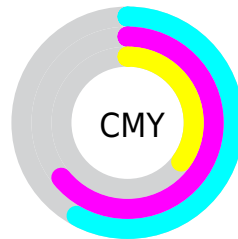


Cyan (36%)

Magenta (44%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (64%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5625, 13.4351, 37.3176 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 16.5625, 13.4351, 37.3176 by changing the saturation by 10% instead.

■ 16.5625, 13.4351,
37.3176

■ 16.5625, 13.4351,
37.3176

225.8441,
213.6877, 349.8935

■ 10.0164, 7.7288,
25.1558

■ 37.1216, 32.0833,
72.2528

■ 5.4722, 3.9219,
15.9731

■ 51.8654, 45.7940,
95.8632

■ 2.5645, 1.6300,
9.3510

■ 70.0724, 62.9416,
124.1269

■ 0.9279, 0.3777,
4.8709

■ 92.1081, 83.9106,
157.4624

■ 0.0000, 0.0000,
2.1143

118.3377,
109.0853, 196.2883

■ 0.0000, 0.0000,
0.6243

149.1267,

■ 0.0000, 0.0000,

138.8501, 241.0231

0.0000

184.8404,
173.5894, 292.0853

■ 16.5625, 13.4351,
37.3176

■ 16.5625, 13.4351,
37.3176

■ 13.8224, 10.1270,
36.8237

■ 19.8614, 17.4939,
37.9274

■ 11.6077, 7.5213,
36.4375

■ 23.7468, 22.3444,
38.6589

■ 9.8839, 5.5665,
36.1511

■ 28.2463, 28.0267,
39.5185

■ 8.6114, 4.2032,
35.9550

■ 33.3853, 34.5774,
40.5121

■ 7.7437, 3.3606,
35.8381

■ 39.1878, 42.0310,
41.6449

■ 7.3763, 3.0180,
35.7913

■ 45.6764, 50.4204,
42.9223

■ 52.8729, 59.7764,
44.3489

■ 60.7978, 70.1287,
45.9294

■ 69.4709, 81.5056,
47.6682

Harmonies

Analogous

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



12.9680, 13.4351, 42.8209



16.5625, 13.4351, 37.3176



19.5074, 13.4351, 25.5378

Triad

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



16.5625, 13.4351, 37.3176



16.1594, 13.4351, 3.4990



7.2437, 13.4351, 15.2009

Complementary

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



16.5625, 13.4351, 37.3176



28.1497, 34.2626, 15.2554

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.



7.7952, 13.4351, 7.3754



16.5625, 13.4351, 37.3176



12.5734, 13.4351, 2.7021

Square

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



16.5625, 13.4351, 37.3176



19.2469, 13.4351, 6.7726



9.6051, 13.4351, 3.7213



7.9380, 13.4351, 26.9832

Rectangle

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



16.5625, 13.4351, 37.3176



20.4769, 13.4351, 17.5253



9.6051, 13.4351, 3.7213



7.2890, 13.4351, 12.0700

Sweetspot

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



16.5630, 13.4356, 37.3179



51.4577, 51.2990, 70.9419



22.3717, 27.3246, 39.6926



10.8518, 10.7101, 15.4328



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.



16.5630, 13.4356, 37.3179



24.8747, 18.2797, 65.9696



21.7544, 16.1119, 37.5609



6.8214, 6.9223, 8.8797



5.6134, 2.3003, 27.0779



0.1508, 0.0653, 0.5705

Inverse Universe

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



24.9305, 17.8884, 31.4172



41.9739, 27.3952, 53.1934



22.4729, 31.3361, 14.9897



7.3058, 7.1788, 8.5968



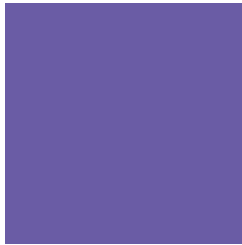
14.9777, 7.3471, 17.6049



0.3289, 0.1600, 0.4444

Previews

White Background



This preview shows how the XYZ color 16.5625, 13.4351, 37.3176 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 16.5625, 13.4351, 37.3176 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 16.5625, 13.4351, 37.3176

Background



This preview shows how black text looks on a background with the XYZ color 16.5625, 13.4351, 37.3176.



This preview shows how white text looks on a background with the XYZ color 16.5625, 13.4351,

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

16.5625, 13.4351, 37.3176

Protanopia

14.7725, 13.5092, 41.3641

Deuteranopia

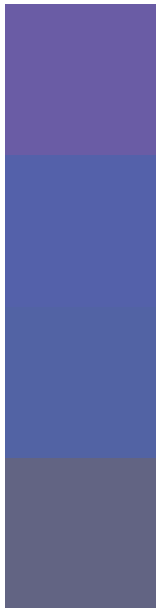
13.9154, 13.6100, 36.5439



Tritanopia

12.4910, 13.4502, 17.2670

Trichromacy



Original Color

16.5625, 13.4351, 37.3176

Protanomaly

15.1865, 13.3365, 39.8040

Deuteranomaly

14.6424, 13.3979, 36.9363

Tritanomaly

13.6909, 13.3497, 23.3279

Monochromacy



Original Color

16.5625, 13.4351, 37.3176

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2136, 13.6499, 21.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5625, 13.4351, 37.3176 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, 92, 165)` looks like.

```
.text, #text, p{  
    color:rgb(106, 92, 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(106, 92, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 92, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.5625, 13.4351, 37.3176 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, 92, 165) }
```


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

```
.border{ border-color:rgb(106, 92, 165) }
```

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

Here you see how a box with a 4 pixel rgb(106, 92, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 92, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 92, 165);  
box-shadow:4px 4px 4px 4px rgb(106, 92,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5625, 13.4351, 37.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 92, 165) }
```

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

```
.background{ background-color: rgb(106, 92,  
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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