

Converting Colors

XYZ(16.9112, 15.3316, 37.4766)

Have a look what the booklet for
XYZ(16.9112, 15.3316, 37.4766)
contains.

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Color

**XYZ(16.8874, 15.2699,
37.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	6368A5
RGB	99, 104, 165
RGB Percent	39%, 41%, 65%
CMY	0.6118, 0.5921, 0.3529
CMYK	0.40, 0.37, 0.00, 0.35
HSL	235°, 27%, 52%
HSV	235°, 40%, 65%
XYZ	16.8874, 15.2699, 37.6546
YIQ	109.4590, -22.5610, 17.9110

Conversions

Conversions Part 2

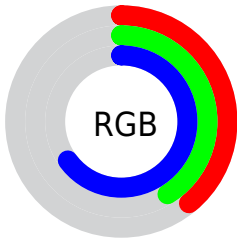
Format	Color
R _Y B	99, 104, 165
Decimal	6514853
CIE Lab	46.00, 13.84, -33.48
CIE LCh	46, 36.232, 292.458
Yxy	15.2699, 0.2419, 0.2187
Android (android.graphics.Color)	4284704933 (0xFF6368A5)
YUV	109.4590, 27.3817, -9.1725
Hunter-Lab	39.0767, 8.7563, -29.7786

Details

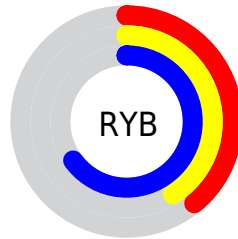
The XYZ color **16.8874, 15.2699, 37.6546** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.3404, 34.0422, 16.7767**, and the grayscale version is **14.5958, 15.3559, 16.7226**.

A 20% lighter version of the original color is **37.5885, 35.2854, 72.5398**, and **5.6161, 4.7228, 16.2384** is the 20% darker color. If you saturate the color by 10%, you get **13.8669, 11.6366, 37.1128**, and if you desaturate by 10%, it is **20.5550, 19.6494, 38.3069**.

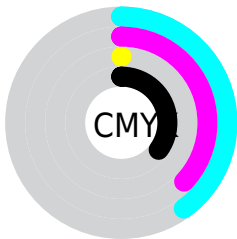
Distribution



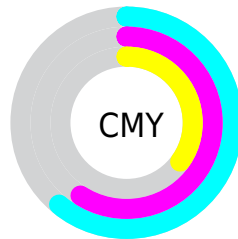
- Red (39%)
- Green (41%)
- Blue (65%)



- Red (39%)
- Yellow (41%)
- Blue (65%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (35%)



- Cyan (61%)
- Magenta (59%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8874, 15.2699, 37.6546 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 16.8874, 15.2699, 37.6546 by changing the saturation by 10% instead.

■ 16.8874, 15.2699,
37.6546

■ 16.8874, 15.2699,
37.6546

227.6916,
224.9941, 351.3896

■ 10.2490, 9.0090,
25.4150

■ 37.6772, 35.3260,
72.7760

■ 5.6279, 4.7471,
16.1647

■ 52.5594, 49.8900,
96.4948

■ 2.6587, 2.0996,
9.4851

■ 70.9202, 67.9904,
124.8771

■ 0.9759, 0.6644,
4.9578

■ 93.1251, 90.0118,
158.3414

■ 0.0000, 0.0000,
2.1642

119.5392,
116.3385, 197.3063

■ 0.0000, 0.0000,
0.6536

150.5282,

■ 0.0000, 0.0000,

147.3548, 242.1902

0.0000

186.4572,
183.4452, 293.4118

■ 16.8874, 15.2699,
37.6546

■ 16.8874, 15.2699,
37.6546

■ 13.8669, 11.6366,
37.1128

■ 20.5550, 19.6494,
38.3069

■ 11.4542, 8.7063,
36.6743

■ 24.9024, 24.8118,
39.0742

■ 9.6083, 6.4337,
36.3330

■ 29.9623, 30.7933,
39.9621

■ 8.2828, 4.7679,
36.0813

■ 35.7648, 37.6274,
40.9754

■ 7.4233, 3.6500,
35.9108

■ 42.3380, 45.3459,
42.1187

■ 6.9292, 2.9919,
35.8098

■ 49.7090, 53.9787,
43.3965

■ 6.9292, 2.9918,
35.8098

■ 57.9030, 63.5544,
44.8130

■ 66.9447, 74.1004,
46.3720

■ 76.8572, 85.6429,
48.0775

Harmonies

Analogous

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



13.7525, 15.2699, 39.6478



16.8874, 15.2699, 37.6546



19.7153, 15.2699, 29.2016

Triad

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



16.8874, 15.2699, 37.6546



18.4158, 15.2699, 6.5013



9.4129, 15.2699, 14.5047

Complementary

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



16.8874, 15.2699, 37.6546



30.3404, 34.0422, 16.7767

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.



10.3182, 15.2699, 8.3060



16.8874, 15.2699, 37.6546



15.3022, 15.2699, 4.8674

Square

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



16.8874, 15.2699, 37.6546



20.6809, 15.2699, 10.9682



12.3733, 15.2699, 5.3856



9.7132, 15.2699, 23.9568

Rectangle

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



16.8874, 15.2699, 37.6546



20.9010, 15.2699, 22.2599



12.3733, 15.2699, 5.3856



9.5813, 15.2699, 12.0337

Sweetspot

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



16.8880, 15.2705, 37.6550



51.5342, 52.6389, 71.1965



24.9026, 32.0839, 37.9095



11.0190, 11.2156, 15.5216



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.



16.8880, 15.2705, 37.6550



25.3845, 21.5045, 66.5652



19.9320, 16.1146, 37.6575



6.7416, 6.9422, 8.8877



5.2577, 2.2947, 27.0956



0.1226, 0.0725, 0.5734

Inverse Universe

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



22.4780, 17.9231, 15.3720



36.8566, 27.1152, 20.7984



26.1064, 33.1722, 16.8319



7.0945, 7.0943, 7.4842



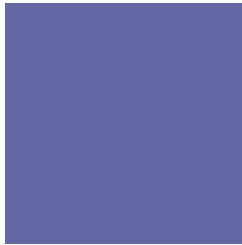
11.7993, 6.0758, 0.8678



0.2541, 0.1301, 0.0506

Previews

White Background



This preview shows how the XYZ color 16.8874, 15.2699, 37.6546 looks on a white background.

Color Contrast Check

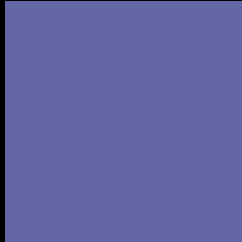
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8874, 15.2699, 37.6546 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 16.8874, 15.2699, 37.6546

Background



This preview shows how black text looks on a background with the XYZ color 16.8874, 15.2699, 37.6546.

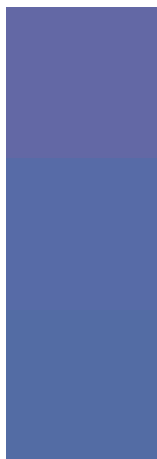


This preview shows how white text looks on a background with the XYZ color 16.8874, 15.2699,

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

16.8874, 15.2699, 37.6546

Protanopia

16.1632, 15.3316, 38.6666

Deuteranopia

15.6307, 15.2445, 37.2406



Tritanopia

13.4425, 15.2901, 20.6551

Trichromacy



Original Color

16.8874, 15.2699, 37.6546

Protanomaly

16.3514, 15.2854, 38.1650

Deuteranomaly

16.0784, 15.3196, 37.2315

Tritanomaly

14.5770, 15.2621, 26.2224

Monochromacy



Original Color

16.8874, 15.2699, 37.6546

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0458, 15.1036, 22.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8874, 15.2699, 37.6546 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(99, 104, 165) looks like.

```
.text, #text, p{  
    color:rgb(99, 104, 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(99, 104, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 104, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.8874, 15.2699, 37.6546 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(99, 104, 165) }
```


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

```
.border{ border-color:rgb(99, 104, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 104, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 104, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 104, 165);  
box-shadow:4px 4px 4px 4px rgb(99, 104,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8874, 15.2699, 37.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 104, 165) }
```

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

```
.background{ background-color: rgb(99, 104,  
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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