

Converting Colors

XYZ(16.9636, 17.1512, 37.4997)

Have a look what the booklet for
XYZ(16.9636, 17.1512, 37.4997)
contains.

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Color

**XYZ(16.9514, 17.0657,
37.5225)**

Conversions

Conversions Part 1

Format	Color
Hex	5973A4
RGB	89, 115, 164
RGB Percent	35%, 45%, 64%
CMY	0.6510, 0.5490, 0.3569
CMYK	0.46, 0.30, 0.00, 0.36
HSL	219°, 30%, 50%
HSV	219°, 46%, 64%
XYZ	16.9514, 17.0657, 37.5225
YIQ	112.8120, -31.2250, 9.7270

Conversions

Conversions Part 2

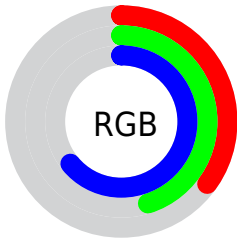
Format	Color
R_{YB}	89, 108, 164
Decimal	5862308
CIE _{Lab}	48.34, 4.10, -29.28
CIE _{LCh}	48, 29.570, 277.980
Yxy	17.0657, 0.2370, 0.2385
Android (android.graphics.Color)	4284052388 (0xFF5973A4)
YUV	112.8120, 25.2357, -20.8831
Hunter-Lab	41.3107, 0.9520, -24.9357

Details

The XYZ color **16.9514, 17.0657, 37.5225** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.2020, 26.7913, 13.2421**, and the grayscale version is **15.5752, 16.3863, 17.8447**.

A 20% lighter version of the original color is **37.7602, 38.5027, 72.4594**, and **5.6593, 5.5592, 16.1040** is the 20% darker color. If you saturate the color by 10%, you get **14.3979, 14.0400, 37.0734**, and if you desaturate by 10%, it is **19.9988, 20.5575, 38.0362**.

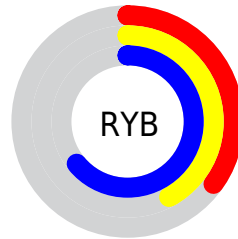
Distribution



Red (35%)

Green (45%)

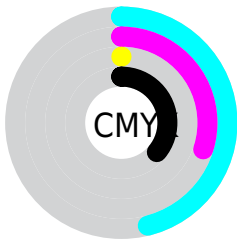
Blue (64%)



Red (35%)

Yellow (42%)

Blue (64%)

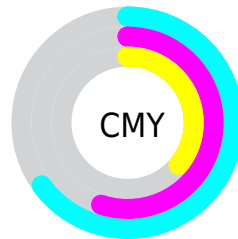


Cyan (46%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (65%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9514, 17.0657, 37.5225 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 16.9514, 17.0657, 37.5225 by changing the saturation by 10% instead.

■ 16.9514, 17.0657,
37.5225

■ 16.9514, 17.0657,
37.5225

228.0539,
235.5507, 350.8037

■ 10.2949, 10.2813,
25.3133

■ 37.7865, 38.4387,
72.5709

■ 5.6587, 5.5859,
16.0895

■ 52.6958, 53.7961,
96.2473

■ 2.6774, 2.5950,
9.4325

■ 71.0867, 72.7801,
124.5832

■ 0.9855, 0.9241,
4.9237

■ 93.3247, 95.7749,
157.9971

■ 0.0000, 0.0000,
2.1446

119.7751,
123.1649, 196.9075

■ 0.0000, 0.0000,
0.6421

150.8031,

■ 0.0000, 0.0000,

155.3347, 241.7331

0.0000

186.7743,
192.6685, 292.8923

■ 16.9514, 17.0657,
37.5225

■ 16.9514, 17.0657,
37.5225

■ 14.3979, 14.0400,
37.0734

■ 19.9988, 20.5575,
38.0362

■ 12.3080, 11.4566,
36.6849

■ 23.5642, 24.5337,
38.6158

■ 10.6507, 9.2923,
36.3545

■ 27.6723, 29.0140,
39.2640

■ 9.3902, 7.5206,
36.0790

■ 32.3456, 34.0161,
39.9832

■ 8.4803, 6.1090,
35.8544

■ 37.6054, 39.5570,
40.7755

■ 8.1568, 5.5921,
35.7717

■ 43.4716, 45.6529,
41.6429

■ 49.9635, 52.3191,
42.5875

■ 57.0992, 59.5706,
43.6111

■ 64.8961, 67.4215,
44.7155

Harmonies

Analogous

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



14.3519, 17.0657, 36.0406



16.9514, 17.0657, 37.5225



19.6273, 17.0657, 32.9267

Triad

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



16.9514, 17.0657, 37.5225



20.6633, 17.0657, 10.8557



11.8704, 17.0657, 13.5488

Complementary

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



16.9514, 17.0657, 37.5225



26.2020, 26.7913, 13.2421

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.



13.2326, 17.0657, 9.1580



16.9514, 17.0657, 37.5225



18.2445, 17.0657, 7.9303

Square

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



16.9514, 17.0657, 37.5225



21.9200, 17.0657, 16.5943



15.5108, 17.0657, 7.4093



11.6058, 17.0657, 20.7217

Rectangle

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



16.9514, 17.0657, 37.5225



21.0290, 17.0657, 27.6259



15.5108, 17.0657, 7.4093



12.2072, 17.0657, 11.7643

Sweetspot

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



16.9520, 17.0663, 37.5229



51.4085, 53.9365, 71.4536



21.9652, 30.5029, 28.6805



10.8793, 11.4036, 15.5652



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.



16.9520, 17.0663, 37.5229



26.0067, 25.3303, 67.2709



15.5571, 12.5494, 36.7246



6.8919, 7.2428, 8.9378



6.2951, 4.3697, 27.4414



0.1751, 0.1775, 0.5909

Inverse Universe

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



21.9772, 16.2757, 18.2035



36.5404, 24.5761, 26.5716



28.1688, 34.0206, 14.5338



7.1704, 7.1246, 7.8838



12.3230, 6.2852, 3.6254



0.2806, 0.1407, 0.1901

Previews

White Background



This preview shows how the XYZ color 16.9514, 17.0657, 37.5225 looks on a white background.

Color Contrast Check

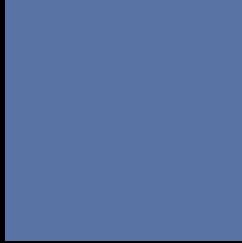
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9514, 17.0657, 37.5225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

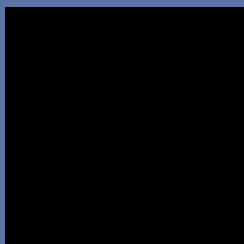
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

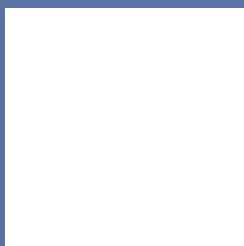
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9514, 17.0657, 37.5225

Background



This preview shows how black text looks on a background with the XYZ color 16.9514, 17.0657, 37.5225.

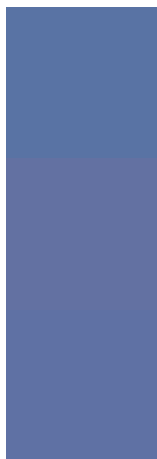


This preview shows how white text looks on a background with the XYZ color 16.9514, 17.0657,

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

16.9514, 17.0657, 37.5225

Protanopia

17.5723, 17.0715, 36.5514

Deuteranopia

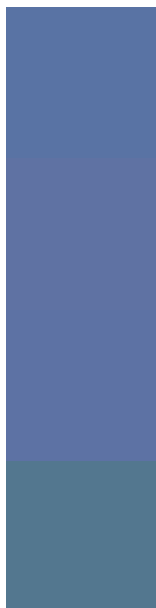
17.3253, 16.9235, 37.4754



Tritanopia

14.2424, 17.0189, 24.0071

Trichromacy



Original Color

16.9514, 17.0657, 37.5225

Protanomaly

17.3475, 17.1119, 37.0389

Deuteranomaly

17.2324, 17.0421, 37.5032

Tritanomaly

15.1220, 17.0158, 28.4740

Monochromacy



Original Color

16.9514, 17.0657, 37.5225

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8911, 16.6436, 24.2048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9514, 17.0657, 37.5225 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(89, 115, 164)` looks like.

```
.text, #text, p{  
    color:rgb(89, 115, 164)  
}
```

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(89, 115, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 115, 164) }
```

Border

The CSS property to change the border of an element to XYZ 16.9514, 17.0657, 37.5225 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(89, 115, 164) }
```


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

```
.border{ border-color:rgb(89, 115, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 115, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 115, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 115, 164);  
box-shadow:4px 4px 4px 4px rgb(89, 115,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9514, 17.0657, 37.5225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 115, 164) }
```

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

```
.background{ background-color: rgb(89, 115,  
164) }
```

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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