

Converting Colors

XYZ(14.0175, 16.9873, 13.6464)

Have a look what the booklet for
XYZ(14.0175, 16.9873, 13.6464)
contains.

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Color

**XYZ(13.9734, 16.9301,
13.5977)**

Conversions

Conversions Part 1

Format	Color
Hex	637860
RGB	99, 120, 96
RGB Percent	39%, 47%, 38%
CMY	0.6118, 0.5294, 0.6235
CMYK	0.18, 0.00, 0.20, 0.53
HSL	113°, 11%, 42%
HSV	113°, 20%, 47%
XYZ	13.9734, 16.9301, 13.5977
YIQ	110.9850, -4.8120, -11.9160

Conversions

Conversions Part 2

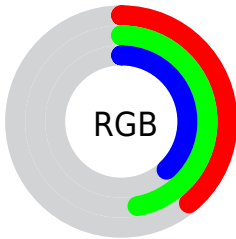
Format	Color
R_{YB}	96, 120, 117
Decimal	6518880
CIE _{Lab}	48.17, -12.71, 10.67
CIE _{LCh}	48, 16.598, 139.985
Yxy	16.9301, 0.3140, 0.3804
Android (android.graphics.Color)	4284708960 (0xFF637860)
YUV	110.9850, -7.3876, -10.5108
Hunter-Lab	41.1462, -11.3866, 9.2086

Details

The XYZ color **13.9734, 16.9301, 13.5977** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9098, 13.5042, 19.5909**, and the grayscale version is **15.1272, 15.9150, 17.3314**.

A 20% lighter version of the original color is **32.5967, 38.0957, 33.2389**, and **4.2451, 5.4668, 3.8491** is the 20% darker color. If you saturate the color by 10%, you get **12.3891, 16.1729, 10.8564**, and if you desaturate by 10%, it is **15.7922, 17.7994, 16.7910**.

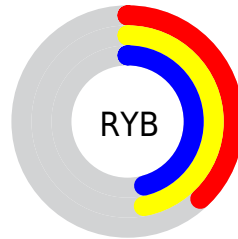
Distribution



Red (39%)

Green (47%)

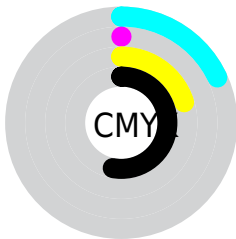
Blue (38%)



Red (38%)

Yellow (47%)

Blue (46%)

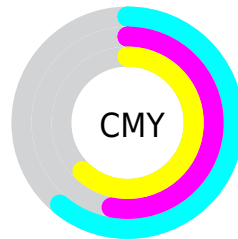


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (53%)



Cyan (61%)

Magenta (53%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9734, 16.9301, 13.5977 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 13.9734, 16.9301, 13.5977 by changing the saturation by 10% instead.

■ 13.9734, 16.9301,
13.5977

■ 13.9734, 16.9301,
13.5977

210.5792,
234.7692, 226.0543

■ 8.1837, 10.1847,
7.7059

■ 32.6285, 38.2056,
33.0803

■ 4.2655, 5.5216,
3.8223

■ 46.2246, 53.5044,
47.5081

■ 1.8534, 2.5564,
1.5283

■ 63.1536, 72.4231,
65.6183

■ 0.5495, 0.9048,
0.2389

■ 83.7809, 95.3461,
87.8294

■ 0.0000, 0.0000,
0.0000

108.4717,
122.6579, 114.5601

137.5915,

154.7427, 146.2287

171.5055,
191.9850, 183.2539

■ 13.9734, 16.9301,
13.5977

■ 13.9734, 16.9301,
13.5977

■ 12.3891, 16.1729,
10.8564

■ 15.7922, 17.7994,
16.7910

■ 11.0284, 15.5212,
8.5456

■ 17.8530, 18.7829,
20.4543

■ 9.8816, 14.9709,
6.6439

■ 20.1649, 19.8852,
24.6059

■ 8.9376, 14.5168,
5.1273

■ 22.7359, 21.1102,
29.2628

■ 8.1845, 14.1534,
3.9696

■ 25.5738, 22.4615,
34.4412

■ 7.6092, 13.8746,
3.1411

■ 28.6859, 23.9426,
40.1566

■ 7.1964, 13.6732,
2.6077

■ 32.0793, 25.5567,
46.4238

■ 6.9138, 13.5351,
2.2481

■ 35.7610, 27.3073,
53.2570

■ 39.7374, 29.1972,
60.6702

Harmonies

Analogous

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



15.1217, 16.9301, 11.6850



13.9734, 16.9301, 13.5977



13.4042, 16.9301, 17.0286

Triad

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



13.9734, 16.9301, 13.5977



15.5930, 16.9301, 27.8700



18.9703, 16.9301, 15.7415

Complementary

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



13.9734, 16.9301, 13.5977



14.9098, 13.5042, 19.5909

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.



19.1160, 16.9301, 19.9147



13.9734, 16.9301, 13.5977



17.1020, 16.9301, 27.3813

Square

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



13.9734, 16.9301, 13.5977



14.2999, 16.9301, 25.5457



18.4136, 16.9301, 24.2994



18.0269, 16.9301, 12.7823

Rectangle

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



13.9734, 16.9301, 13.5977



13.4040, 16.9301, 19.9102



18.4136, 16.9301, 24.2994



19.1163, 16.9301, 17.0326

Sweetspot

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



13.9739, 16.9308, 13.5981



29.1198, 31.9468, 31.9143



16.1958, 17.5144, 13.5936



6.8595, 7.5512, 7.4895



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.9739, 16.9308, 13.5981



23.2479, 29.1418, 21.6072



14.0804, 16.9363, 15.8381



3.9932, 4.4718, 4.2772



7.5345, 14.7614, 2.4521



35.5338, 70.2038, 11.6779

Inverse Universe

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



14.9098, 13.5042, 19.5909



25.2078, 21.9616, 34.1635



14.8094, 13.5114, 16.9247



4.1076, 4.0533, 5.0091



10.0462, 4.7518, 19.7730



47.4296, 22.4129, 94.2961

Previews

White Background



This preview shows how the XYZ color 13.9734, 16.9301, 13.5977 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 13.9734, 16.9301, 13.5977 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

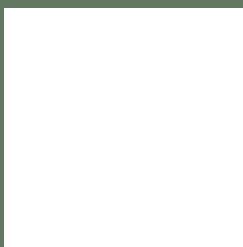
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9734, 16.9301, 13.5977

Background



This preview shows how black text looks on a background with the XYZ color 13.9734, 16.9301, 13.5977.



This preview shows how white text looks on a background with the XYZ color 13.9734, 16.9301,

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

13.9734, 16.9301, 13.5977

Protanopia

15.8783, 16.8899, 12.7791

Deuteranopia

17.1406, 16.8590, 13.9060



Tritanopia

15.6560, 16.9145, 21.8417

Trichromacy



Original Color

13.9734, 16.9301, 13.5977

Protanomaly

15.0758, 16.8096, 13.0397

Deuteranomaly

15.7827, 16.8196, 13.7239

Tritanomaly

14.8780, 16.7623, 18.3709

Monochromacy



Original Color

13.9734, 16.9301, 13.5977

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.6822, 16.2010, 15.9889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9734, 16.9301, 13.5977 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, 120, 96) looks like.

```
.text, #text, p{  
    color:rgb(99, 120, 96)  
}
```

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, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.9734, 16.9301, 13.5977 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, 120, 96) }
```


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

```
.border{ border-color:rgb(99, 120, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 120, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(99, 120,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9734, 16.9301, 13.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 120, 96) }
```

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

```
.background{ background-color: rgb(99, 120,  
96) }
```

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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