

Converting Colors

XYZ(12.6639, 14.5573, 13.4519)

Have a look what the booklet for
XYZ(12.6639, 14.5573, 13.4519)
contains.

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Color

**XYZ(12.6634, 14.5563,
13.4515)**

Conversions

Conversions Part 1

Format	Color
Hex	616E61
RGB	97, 110, 97
RGB Percent	38%, 43%, 38%
CMY	0.6196, 0.5686, 0.6196
CMYK	0.12, 0.00, 0.12, 0.57
HSL	120°, 6%, 41%
HSV	120°, 12%, 43%
XYZ	12.6634, 14.5563, 13.4515
YIQ	104.6310, -3.5750, -6.7990

Conversions

Conversions Part 2

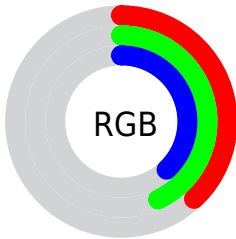
Format	Color
R _Y B	97, 110, 110
Decimal	6385249
CIE Lab	45.02, -7.65, 5.60
CIE LCh	45, 9.477, 143.791
Yxy	14.5563, 0.3114, 0.3579
Android (android.graphics.Color)	4284575329 (0xFF616E61)
YUV	104.6310, -3.7621, -6.6924
Hunter-Lab	38.1527, -7.5207, 5.8030

Details

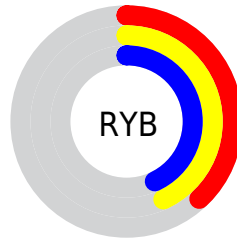
The XYZ color **12.6634, 14.5563, 13.4515** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5201, 12.9906, 16.5474**, and the grayscale version is **13.3384, 14.0331, 15.2820**.

A 20% lighter version of the original color is **30.4784, 34.2747, 33.0263**, and **3.6854, 4.3881, 3.7847** is the 20% darker color. If you saturate the color by 10%, you get **11.0938, 13.8028, 10.8838**, and if you desaturate by 10%, it is **14.4675, 15.4233, 16.4022**.

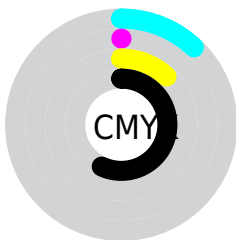
Distribution



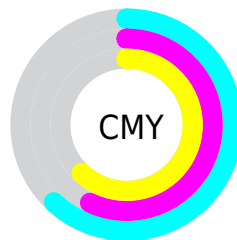
- Red (38%)
- Green (43%)
- Blue (38%)



- Red (38%)
- Yellow (43%)
- Blue (43%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (57%)



- Cyan (62%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6634, 14.5563, 13.4515 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 12.6634, 14.5563, 13.4515 by changing the saturation by 10% instead.

■ 12.6634, 14.5563,
13.4515

■ 12.6634, 14.5563,
13.4515

202.4305,
220.6647, 225.0999

■ 7.2726, 8.5086,
7.6058

■ 30.3042, 34.0729,
32.8156

■ 3.6810, 4.4221,
3.7596

■ 43.2849, 48.3106,
47.1710

■ 1.5233, 1.9124,
1.4944

■ 59.5263, 66.0470,
65.2002

■ 0.3416, 0.5558,
0.2138

■ 79.3937, 87.6666,
87.3215

■ 0.0000, 0.0000,
0.0000

103.2524,
113.5538, 113.9536

131.4679,

144.0929, 145.5150

164.4055,
179.6684, 182.4243

■ 12.6634, 14.5563,
13.4515

■ 12.6634, 14.5563,
13.4515

■ 11.0938, 13.8028,
10.8838

■ 14.4675, 15.4233,
16.4022

■ 9.7479, 13.1563,
8.6823

■ 16.5140, 16.4064,
19.7496

■ 8.6160, 12.6126,
6.8309

■ 18.8117, 17.5101,
23.5080

■ 7.6870, 12.1663,
5.3114

■ 21.3688, 18.7384,
27.6907

■ 6.9490, 11.8118,
4.1041

■ 24.1931, 20.0950,
32.3103

■ 6.3886, 11.5426,
3.1875

■ 27.2919, 21.5835,
37.3791

■ 5.9910, 11.3516,
2.5371

■ 30.6724, 23.2074,
42.9086

■ 5.7382, 11.2302,
2.1236

■ 34.3415, 24.9698,
48.9102

■ 5.5762, 11.1524,
1.8587

■ 38.3058, 26.8741,
55.3947

Harmonies

Analogous

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



13.2408, 14.5563, 12.2445



12.6634, 14.5563, 13.4515



12.4012, 14.5563, 15.3906

Triad

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



12.6634, 14.5563, 13.4515



13.6742, 14.5563, 20.4999



15.2493, 14.5563, 14.1836

Complementary

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



12.6634, 14.5563, 13.4515



13.5201, 12.9906, 16.5474

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.



15.3759, 14.5563, 16.3171



12.6634, 14.5563, 13.4515



14.4474, 14.5563, 20.1002

Square

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



12.6634, 14.5563, 13.4515



12.9706, 14.5563, 19.5624



15.0774, 14.5563, 18.5164



14.7377, 14.5563, 12.6386

Rectangle

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



12.6634, 14.5563, 13.4515



12.4332, 14.5563, 16.8924



15.0774, 14.5563, 18.5164



15.3391, 14.5563, 14.8501

Sweetspot

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



12.6638, 14.5569, 13.4518



24.6451, 26.7194, 27.5584



14.1413, 15.2839, 13.5143



5.6890, 6.1956, 6.3377



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6638, 14.5569, 13.4518



21.4966, 25.2070, 22.4084



12.9686, 14.6788, 15.0569



3.3451, 3.7632, 3.6234



6.6985, 13.3969, 2.2328



33.3679, 66.7358, 11.1226

Inverse Universe

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



13.5201, 12.9906, 16.5474



23.2950, 21.9172, 28.9099



13.1899, 12.8585, 14.8086



3.5144, 3.4535, 4.2356



11.1058, 5.3347, 18.1660



55.3226, 26.5742, 90.4926

Previews

White Background



This preview shows how the XYZ color 12.6634, 14.5563, 13.4515 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 12.6634, 14.5563, 13.4515 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

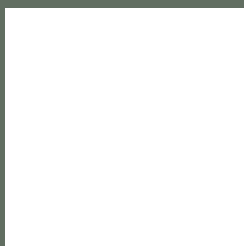
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6634, 14.5563, 13.4515

Background



This preview shows how black text looks on a background with the XYZ color 12.6634, 14.5563, 13.4515.

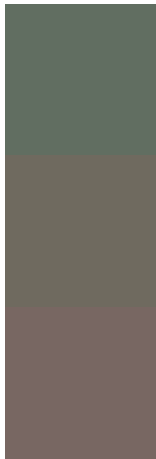


This preview shows how white text looks on a background with the XYZ color 12.6634, 14.5563,

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

12.6634, 14.5563, 13.4515

Protanopia

13.7751, 14.5138, 12.9019

Deuteranopia

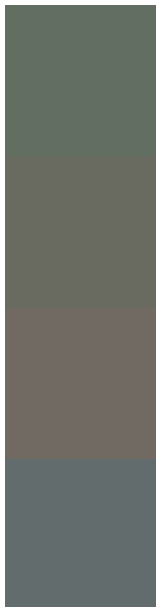
14.8006, 14.5754, 13.5885



Tritanopia

13.6656, 14.4857, 18.5988

Trichromacy



Original Color

12.6634, 14.5563, 13.4515

Protanomaly

13.3129, 14.4241, 13.1488

Deuteranomaly

14.0407, 14.6347, 13.6400

Tritanomaly

13.2685, 14.4819, 16.5640

Monochromacy



Original Color

12.6634, 14.5563, 13.4515

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1355, 14.2995, 14.6381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6634, 14.5563, 13.4515 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(97, 110, 97)` looks like.

```
.text, #text, p{  
    color:rgb(97, 110, 97)  
}
```

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(97, 110, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 110, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.6634, 14.5563, 13.4515 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(97, 110, 97) }
```


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

```
.border{ border-color:rgb(97, 110, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 110, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 110, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 110, 97);  
box-shadow:4px 4px 4px 4px rgb(97, 110,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6634, 14.5563, 13.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 110, 97) }
```

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

```
.background{ background-color: rgb(97, 110,  
97) }
```

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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