

Converting Colors

XYZ(14.7604, 25.6040, 15.9698)

Have a look what the booklet for
XYZ(14.7604, 25.6040, 15.9698)
contains.

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Color

**XYZ(14.6927, 25.4647,
15.9452)**

Conversions

Conversions Part 1

Format	Color
Hex	109E63
RGB	16, 158, 99
RGB Percent	6%, 62%, 39%
CMY	0.9372, 0.3804, 0.6118
CMYK	0.90, 0.00, 0.37, 0.38
HSL	155°, 82%, 34%
HSV	155°, 90%, 62%
XYZ	14.6927, 25.4647, 15.9452
YIQ	108.8160, -65.6930, -48.4530

Conversions

Conversions Part 2

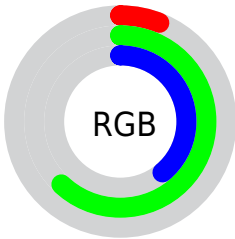
Format	Color
RYB	16, 106, 158
Decimal	1089123
CIELab	57.53, -48.58, 21.35
CIELCh	58, 53.061, 156.275
Yxy	25.4647, 0.2619, 0.4539
Android (android.graphics.Color)	4279279203 (0xFF109E63)
YUV	108.8160, -4.8393, -81.3996
Hunter-Lab	50.4626, -36.3373, 16.5893

Details

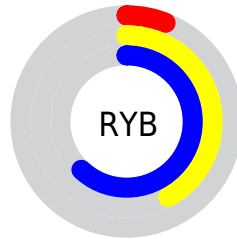
The XYZ color **14.6927, 25.4647, 15.9452** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.5568, 8.1484, 7.4113**, and the grayscale version is **14.5114, 15.2671, 16.6259**.

A 20% lighter version of the original color is **33.9652, 52.5705, 37.2111**, and **5.6714, 10.3511, 4.9479** is the 20% darker color. If you saturate the color by 10%, you get **14.1808, 25.2363, 14.3492**, and if you desaturate by 10%, it is **15.3961, 25.7902, 17.6845**.

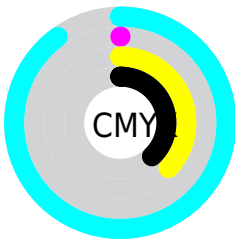
Distribution



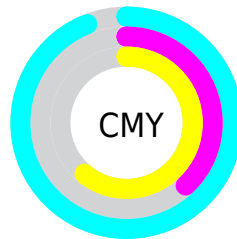
- Red (6%)
- Green (62%)
- Blue (39%)



- Red (6%)
- Yellow (42%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (37%)
- Black (38%)



- Cyan (94%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6927, 25.4647, 15.9452 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 14.6927, 25.4647, 15.9452 by changing the saturation by 10% instead.

■ 14.6927, 25.4647,
15.9452

■ 14.6927, 25.4647,
15.9452

214.9241,
280.1443, 240.8528

■ 8.6889, 16.4236,
9.3314

■ 33.8893, 52.4101,
37.2685

■ 4.5943, 9.8244,
4.8582

■ 47.8128, 71.0832,
52.8151

■ 2.0435, 5.2827,
2.1070

■ 65.1069, 93.7358,
72.1765

■ 0.6582, 2.4141,
0.6200

■ 86.1370, 120.7522,
95.7711

■ 0.0000, 0.8331,
0.0000

■ 111.2684,
152.5169, 124.0175

■ 0.0000, 0.0000,
0.0000

■ 140.8664,

189.4142, 157.3342

175.2966,
231.8285, 196.1398

■ 14.6927, 25.4647,
15.9452

■ 14.6927, 25.4647,
15.9452

■ 14.1808, 25.2363,
14.3492

■ 15.3961, 25.7902,
17.6845

■ 14.1744, 25.2334,
14.3290

■ 16.3599, 26.2463,
19.5717

■ 17.6151, 26.8496,
21.6118

■ 19.1878, 27.6133,
23.8088

■ 21.1009, 28.5493,
26.1667

■ 23.3751, 29.6683,
28.6890

■ 26.0296, 30.9799,
31.3793

■ 29.0820, 32.4933,
34.2409

■ 32.5488, 34.2169,
37.2772

Harmonies

Analogous

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



17.6997, 25.4647, 8.0644



14.6927, 25.4647, 15.9452



14.0189, 25.4647, 31.7090

Triad

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



14.6927, 25.4647, 15.9452



25.5567, 25.4647, 78.7302



35.3865, 25.4647, 11.8075

Complementary

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



14.6927, 25.4647, 15.9452



15.5568, 8.1484, 7.4113

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.



38.4101, 25.4647, 24.0927



14.6927, 25.4647, 15.9452



32.1322, 25.4647, 66.3319

Square

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



14.6927, 25.4647, 15.9452



19.6343, 25.4647, 73.3746



37.1259, 25.4647, 44.2264



29.4316, 25.4647, 6.5065

Rectangle

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



14.6927, 25.4647, 15.9452



14.8572, 25.4647, 46.1715



37.1259, 25.4647, 44.2264



36.8226, 25.4647, 14.9936

Sweetspot

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



14.6934, 25.4657, 15.9458



43.5125, 54.4009, 53.2129



15.2361, 25.9949, 4.7051



9.4845, 12.1041, 11.6546



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.6934, 25.4657, 15.9458



25.6383, 45.7816, 25.4862



16.6907, 23.1891, 35.9452



6.7051, 7.4628, 7.8818



11.3718, 20.2166, 11.5807



0.2241, 0.3698, 0.3164

Inverse Universe

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



15.5568, 8.1484, 7.4113



27.2793, 13.8697, 10.0066



14.6062, 8.1298, 1.2900



6.7416, 6.6896, 7.4906



12.0913, 6.1411, 4.7316



0.2368, 0.1180, 0.1929

Previews

White Background



This preview shows how the XYZ color 14.6927, 25.4647, 15.9452 looks on a white 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

Black Background



This preview shows how the XYZ color 14.6927, 25.4647, 15.9452 looks on a black 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

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

XYZ 14.6927, 25.4647, 15.9452

Background



This preview shows how black text looks on a background with the XYZ color 14.6927, 25.4647, 15.9452.



This preview shows how white text looks on a background with the XYZ color 14.6927, 25.4647,

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

14.6927, 25.4647, 15.9452

Protanopia

23.1855, 25.0191, 13.2800

Deuteranopia

25.4990, 25.0995, 16.8653



Tritanopia

19.2621, 25.3566, 38.5294

Trichromacy



Original Color

14.6927, 25.4647, 15.9452



Protanomaly

17.4680, 23.8078, 14.0306



Deuteranomaly

18.1574, 23.2172, 16.3563



Tritanomaly

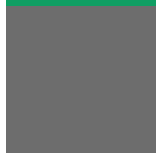
17.1211, 25.1895, 28.7706

Monochromacy



Original Color

14.6927, 25.4647, 15.9452



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.0408, 17.6945, 16.0927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6927, 25.4647, 15.9452 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(16, 158, 99)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 99)  
}
```

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(16, 158, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 99) }
```

Border

The CSS property to change the border of an element to XYZ 14.6927, 25.4647, 15.9452 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(16, 158, 99) }
```


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

```
.border{ border-color:rgb(16, 158, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 158, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 158, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 158, 99);  
box-shadow:4px 4px 4px 4px rgb(16, 158,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6927, 25.4647, 15.9452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 99) }
```

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

```
.background{ background-color: rgb(16, 158,  
99) }
```

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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