

Converting Colors

XYZ(14.7267, 22.1770, 27.3410)

Have a look what the booklet for
XYZ(14.7267, 22.1770, 27.3410)
contains.

XYZ(14.6408, 22.0569, 27.1527)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.6408, 22.0569,
27.1527)**

Conversions

Conversions Part 1

Format	Color
Hex	009189
RGB	0, 145, 137
RGB Percent	0%, 57%, 54%
CMY	0.9999, 0.4314, 0.4627
CMYK	1.00, 0.00, 0.06, 0.43
HSL	177°, 100%, 28%
HSV	177°, 100%, 57%
XYZ	14.6408, 22.0569, 27.1527
YIQ	100.7330, -83.8520, -33.2280

Conversions

Conversions Part 2

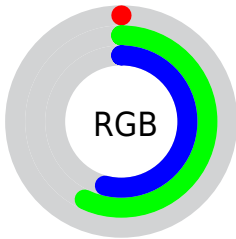
Format	Color
RYB	0, 75, 145
Decimal	37257
CIELab	54.09, -34.07, -5.05
CIELCh	54, 34.445, 188.425
Yxy	22.0569, 0.2293, 0.3454
Android (android.graphics.Color)	4278227337 (0xFF009189)
YUV	100.7330, 17.8796, -88.3428
Hunter-Lab	46.9648, -26.5428, -1.4032

Details

The XYZ color **14.6408, 22.0569, 27.1527** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.7216, 6.0381, 0.7781**, and the grayscale version is **12.2739, 12.9131, 14.0624**.

A 20% lighter version of the original color is **33.8790, 47.0525, 56.0116**, and **5.7230, 8.6935, 10.3932** is the 20% darker color. If you saturate the color by 10%, you get **14.6410, 22.0575, 27.1527**, and if you desaturate by 10%, it is **14.8881, 22.1782, 27.4656**.

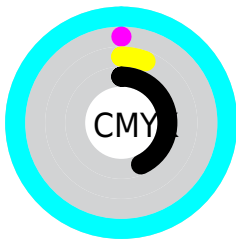
Distribution



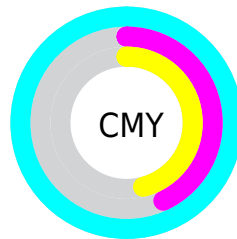
- Red (0%)
- Green (57%)
- Blue (54%)



- Red (0%)
- Yellow (29%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6408, 22.0569, 27.1527 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 14.6408, 22.0569, 27.1527 by changing the saturation by 10% instead.


 14.6408, 22.0569,
27.1527


 14.6408, 22.0569,
27.1527


214.6134,
262.8433, 302.1792


 8.6524, 13.8987,
17.4545


 33.7986, 46.8400,
56.1355


 4.5704, 8.0503,
10.3937


 47.6988, 64.2337,
76.2572


 2.0296, 4.1271,
5.5518

 64.9668, 85.4748,
100.6905

 0.6505, 1.7449,
2.5101

 85.9681, 110.9475,
129.8538

 0.0000, 0.4525,
0.8455

 111.0681,
141.0363, 164.1659

 0.0000, 0.0000,
0.0000

 140.6321,

176.1256, 204.0451

175.0254,
216.5998, 249.9100

■ 14.6408, 22.0569,
27.1527

■ 14.6408, 22.0569,
27.1527

■ 14.6410, 22.0575,
27.1527

■ 14.8881, 22.1782,
27.4656

■ 15.2643, 22.3654,
27.7862

■ 15.8338, 22.6523,
28.1181

■ 16.6207, 23.0511,
28.4624

■ 17.6455, 23.5726,
28.8201

■ 18.9263, 24.2260,
29.1921

■ 20.4796, 25.0197,
29.5790

■ 22.3203, 25.9616,
29.9816

■ 24.4623, 27.0588,
30.4006

Harmonies

Analogous

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



14.9779, 22.0569, 17.2282



14.6408, 22.0569, 27.1527



15.8334, 22.0569, 39.1746

Triad

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



14.6408, 22.0569, 27.1527



25.7444, 22.0569, 43.9659



23.7134, 22.0569, 9.5331

Complementary

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



14.6408, 22.0569, 27.1527



11.7216, 6.0381, 0.7781

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.



27.0991, 22.0569, 13.3801



14.6408, 22.0569, 27.1527



28.3651, 22.0569, 32.3873

Square

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



14.6408, 22.0569, 27.1527



22.0328, 22.0569, 50.5986



28.8882, 22.0569, 21.1311



19.9312, 22.0569, 8.8906

Rectangle

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



14.6408, 22.0569, 27.1527



17.4293, 22.0569, 46.1061



28.8882, 22.0569, 21.1311



24.9479, 22.0569, 10.4245

Sweetspot

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



14.6415, 22.0577, 27.1532



36.4808, 44.7062, 52.9247



10.2471, 20.3140, 3.3816



7.8733, 9.8215, 11.7153



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.6415, 22.0577, 27.1532



26.1978, 39.4921, 48.5123



8.1421, 8.1061, 27.9244



5.5476, 6.1113, 6.8494



12.5609, 18.9202, 23.3057



0.1226, 0.1819, 0.2362

Inverse Universe

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



11.7216, 6.0381, 0.7781



20.9690, 10.8033, 1.2792



13.4467, 9.5582, 1.1369



5.4202, 5.4286, 5.7108



10.0567, 5.1797, 0.6839



0.0981, 0.0503, 0.0167

Previews

White Background



This preview shows how the XYZ color 14.6408, 22.0569, 27.1527 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 14.6408, 22.0569, 27.1527 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 14.6408, 22.0569, 27.1527

Background



This preview shows how black text looks on a background with the XYZ color 14.6408, 22.0569, 27.1527.

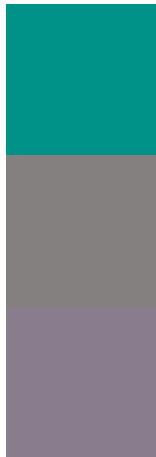


This preview shows how white text looks on a background with the XYZ color 14.6408, 22.0569,

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

14.6408, 22.0569, 27.1527

Protanopia

20.9100, 21.7959, 23.1836

Deuteranopia

22.1330, 21.7412, 28.2292



Tritanopia

16.1329, 22.0024, 33.9684

Trichromacy



Original Color

14.6408, 22.0569, 27.1527

Protanomaly

16.1891, 20.5279, 24.5818

Deuteranomaly

16.8226, 20.3744, 27.8570

Tritanomaly

15.4770, 21.9425, 31.4366

Monochromacy



Original Color

14.6408, 22.0569, 27.1527

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.5129, 15.0275, 18.2134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6408, 22.0569, 27.1527 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(0, 145, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 137)  
}
```

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(0, 145, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 137) }
```

Border

The CSS property to change the border of an element to XYZ 14.6408, 22.0569, 27.1527 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(0, 145, 137) }
```


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

```
.border{ border-color:rgb(0, 145, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6408, 22.0569, 27.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 137) }
```

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

```
.background{ background-color: rgb(0, 145,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor