

Converting Colors

XYZ(15.7665, 25.8969, 22.6307)

Have a look what the booklet for
XYZ(15.7665, 25.8969, 22.6307)
contains.

XYZ(15.7397, 25.8589, 22.5740)	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(15.7397, 25.8589,
22.5740)**

Conversions

Conversions Part 1

Format	Color
Hex	009E7A
RGB	0, 158, 122
RGB Percent	0%, 62%, 48%
CMY	1.0000, 0.3804, 0.5216
CMYK	1.00, 0.00, 0.23, 0.38
HSL	166°, 100%, 31%
HSV	166°, 100%, 62%
XYZ	15.7397, 25.8589, 22.5740
YIQ	106.6540, -82.6120, -44.6920

Conversions

Conversions Part 2

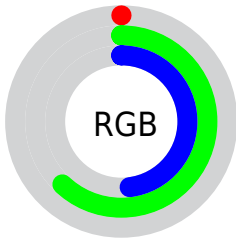
Format	Color
RYB	0, 89, 158
Decimal	40570
CIELab	57.90, -43.98, 9.05
CIELCh	58, 44.896, 168.374
Yxy	25.8589, 0.2453, 0.4030
Android (android.graphics.Color)	4278230650 (0xFF009E7A)
YUV	106.6540, 7.5656, -93.5356
Hunter-Lab	50.8516, -33.7407, 9.2762

Details

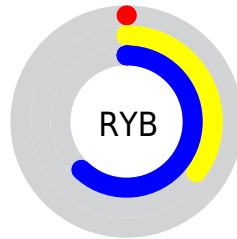
The XYZ color **15.7397, 25.8589, 22.5740** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.4199, 7.3971, 2.3379**, and the grayscale version is **13.8769, 14.5996, 15.8989**.

A 20% lighter version of the original color is **35.8064, 53.2730, 48.4399**, and **6.2542, 10.5842, 8.0167** is the 20% darker color. If you saturate the color by 10%, you get **15.7401, 25.8598, 22.5737**, and if you desaturate by 10%, it is **16.1781, 26.0593, 23.7814**.

Distribution



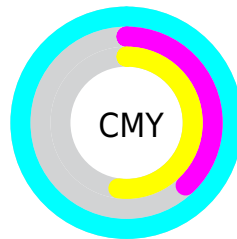
- Red (0%)
- Green (62%)
- Blue (48%)



- Red (0%)
- Yellow (35%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7397, 25.8589, 22.5740 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 15.7397, 25.8589, 22.5740 by changing the saturation by 10% instead.


 15.7397, 25.8589,
22.5740


 15.7397, 25.8589,
22.5740


221.1015,
282.0887, 278.5800


 9.4298, 16.7181,
14.0769


 35.7068, 53.0472,
48.6072


 5.0819, 10.0337,
8.0348


 50.0948, 71.8636,
66.9804


 2.3307, 5.4213,
4.0292


 67.9062, 94.6739,
89.4827

 0.8103, 2.4965,
1.6414

 89.5063, 121.8625,
116.5327

 0.0000, 0.8749,
0.3201

 115.2605,
153.8140, 148.5488

 0.0000, 0.0000,
0.0000

 145.5342,

190.9125, 185.9498

180.6928,
233.5427, 229.1540

■ 15.7397, 25.8589,
22.5740

■ 15.7397, 25.8589,
22.5740

■ 15.7401, 25.8598,
22.5737

■ 16.1781, 26.0593,
23.7814

■ 16.7869, 26.3459,
25.0399

■ 17.6388, 26.7569,
26.3538

■ 18.7635, 27.3075,
27.7249

■ 20.1868, 28.0111,
29.1550

■ 21.9311, 28.8791,
30.6454

■ 24.0169, 29.9222,
32.1976

■ 26.4628, 31.1499,
33.8128

■ 29.2861, 32.5711,
35.4924

Harmonies

Analogous

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



17.5997, 25.8589, 12.6521



15.7397, 25.8589, 22.5740



15.9761, 25.8589, 38.6182

Triad

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



15.7397, 25.8589, 22.5740



28.0016, 25.8589, 66.8985



32.1477, 25.8589, 11.2538

Complementary

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



15.7397, 25.8589, 22.5740



14.4199, 7.3971, 2.3379

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.



35.8184, 25.8589, 19.7777



15.7397, 25.8589, 22.5740



33.1933, 25.8589, 52.9143

Square

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



15.7397, 25.8589, 22.5740



22.5428, 25.8589, 68.5260



36.2269, 25.8589, 34.5896



26.7324, 25.8589, 7.9077

Rectangle

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



15.7397, 25.8589, 22.5740



17.2980, 25.8589, 50.9683



36.2269, 25.8589, 34.5896



33.6587, 25.8589, 13.4265

Sweetspot

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



15.7404, 25.8599, 22.5746



43.3702, 54.2149, 58.2980



12.9859, 24.8457, 4.1116



9.4247, 12.0459, 12.8883



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.



15.7404, 25.8599, 22.5746



28.5040, 46.9279, 40.5768



12.4026, 14.9301, 34.5771



6.7571, 7.4836, 8.1556



12.6211, 20.7164, 18.1596



0.2403, 0.3763, 0.4018

Inverse Universe

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



14.4199, 7.3971, 2.3379



26.1210, 13.4064, 3.9074



14.9342, 8.9355, 0.9380



6.6919, 6.6697, 7.2287



11.5612, 5.9291, 1.9404



0.2210, 0.1117, 0.1100

Previews

White Background



This preview shows how the XYZ color 15.7397, 25.8589, 22.5740 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 15.7397, 25.8589, 22.5740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

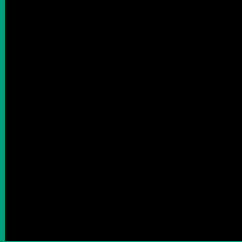
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7397, 25.8589, 22.5740

Background



This preview shows how black text looks on a background with the XYZ color 15.7397, 25.8589, 22.5740.



This preview shows how white text looks on a background with the XYZ color 15.7397, 25.8589,

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

15.7397, 25.8589, 22.5740

Protanopia

24.0457, 25.5499, 18.9935

Deuteranopia

25.9286, 25.3753, 23.6100



Tritanopia

19.2864, 25.8261, 39.5657

Trichromacy



Original Color

15.7397, 25.8589, 22.5740



Protanomaly

17.8939, 23.8914, 20.1914



Deuteranomaly

18.5203, 23.4793, 22.9579



Tritanomaly

17.5455, 25.5724, 32.4450

Monochromacy



Original Color

15.7397, 25.8589, 22.5740



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.7694, 17.3205, 17.9994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7397, 25.8589, 22.5740 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, 158, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 122)  
}
```

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, 158, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.7397, 25.8589, 22.5740 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, 158, 122) }
```


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

```
.border{ border-color:rgb(0, 158, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7397, 25.8589, 22.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 122) }
```

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

```
.background{ background-color: rgb(0, 158,  
122) }
```

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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