

Converting Colors

XYZ(15.0091, 24.9046, 20.7674)

Have a look what the booklet for
XYZ(15.0091, 24.9046, 20.7674)
contains.

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Color

**XYZ(15.0994, 25.0613,
20.8711)**

Conversions

Conversions Part 1

Format	Color
Hex	009C75
RGB	0, 156, 117
RGB Percent	0%, 61%, 46%
CMY	0.9999, 0.3882, 0.5412
CMYK	1.00, 0.00, 0.25, 0.39
HSL	165°, 100%, 31%
HSV	165°, 100%, 61%
XYZ	15.0994, 25.0613, 20.8711
YIQ	104.9100, -80.4570, -45.2010

Conversions

Conversions Part 2

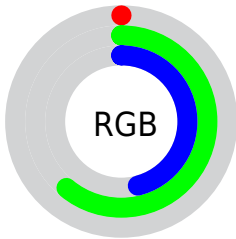
Format	Color
RYB	0, 89, 156
Decimal	40053
CIELab	57.14, -44.44, 10.78
CIELCh	57, 45.729, 166.367
Yxy	25.0613, 0.2474, 0.4106
Android (android.graphics.Color)	4278230133 (0xFF009C75)
YUV	104.9100, 5.9604, -92.0061
Hunter-Lab	50.0613, -33.7683, 10.3242

Details

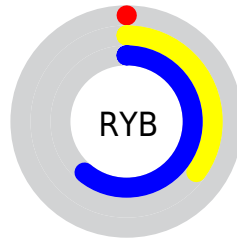
The XYZ color **15.0994, 25.0613, 20.8711** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.0775, 7.2152, 2.5718**, and the grayscale version is **13.4046, 14.1027, 15.3579**.

A 20% lighter version of the original color is **34.4802, 51.5278, 45.6647**, and **5.9244, 10.1302, 7.2733** is the 20% darker color. If you saturate the color by 10%, you get **15.0996, 25.0621, 20.8703**, and if you desaturate by 10%, it is **15.5413, 25.2627, 22.1147**.

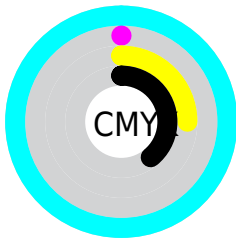
Distribution



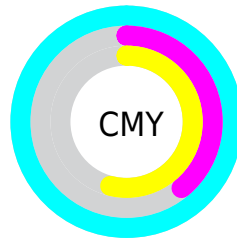
- Red (0%)
- Green (61%)
- Blue (46%)



- Red (0%)
- Yellow (35%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0994, 25.0613, 20.8711 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 15.0994, 25.0613, 20.8711 by changing the saturation by 10% instead.

■ 15.0994, 25.0613,
20.8711

■ 15.0994, 25.0613,
20.8711

217.3435,
278.1431, 269.3512

■ 8.9759, 16.1227,
12.8395

■ 34.5977, 51.7567,
45.7509

■ 4.7825, 9.6110,
7.1887

■ 48.7032, 70.2822,
63.4362

■ 2.1536, 5.1418,
3.5001

■ 66.2002, 92.7723,
85.1764

■ 0.7181, 2.3307,
1.3553

■ 87.4539, 119.6111,
111.3902

■ 0.0000, 0.7899,
0.1065

■ 112.8297,
151.1833, 142.4960

■ 0.0000, 0.0000,
0.0000

■ 142.6931,

187.8730, 178.9124

177.4092,
230.0648, 221.0580

■ 15.0994, 25.0613,
20.8711

■ 15.0994, 25.0613,
20.8711

■ 15.0996, 25.0621,
20.8703

■ 15.5413, 25.2627,
22.1147

■ 16.1496, 25.5481,
23.4161

■ 16.9956, 25.9549,
24.7796

■ 18.1082, 26.4980,
26.2072

■ 19.5122, 27.1902,
27.7007

■ 21.2296, 28.0428,
29.2616

■ 23.2801, 29.0659,
30.8914

■ 25.6817, 30.2689,
32.5914

■ 28.4513, 31.6603,
34.3630

Harmonies

Analogous

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



17.0774, 25.0613, 11.5006



15.0994, 25.0613, 20.8711



15.1941, 25.0613, 36.5372

Triad

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



15.0994, 25.0613, 20.8711



26.8621, 25.0613, 66.8334



31.7129, 25.0613, 10.9467

Complementary

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



15.0994, 25.0613, 20.8711



14.0775, 7.2152, 2.5718

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.



35.2146, 25.0613, 19.7476



15.0994, 25.0613, 20.8711



32.1380, 25.0613, 53.3273

Square

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



15.0994, 25.0613, 20.8711



21.4593, 25.0613, 67.5017



35.3810, 25.0613, 34.9002



26.3478, 25.0613, 7.4099

Rectangle

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



15.0994, 25.0613, 20.8711



16.4099, 25.0613, 48.9478



35.3810, 25.0613, 34.9002



33.1802, 25.0613, 13.1980

Sweetspot

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



15.1001, 25.0623, 20.8717



42.0385, 52.6686, 55.9228



12.8281, 24.2620, 4.0074



8.9177, 11.4232, 12.0488



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.1001, 25.0623, 20.8717



27.3421, 45.4854, 37.4726



12.6704, 15.7389, 33.8237



6.7509, 7.4811, 8.1230



12.4513, 20.6485, 17.2655



0.2383, 0.3755, 0.3911

Inverse Universe

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



14.0775, 7.2152, 2.5718



25.4995, 13.0764, 4.3128



14.3544, 8.3552, 0.8567



6.6977, 6.6720, 7.2593



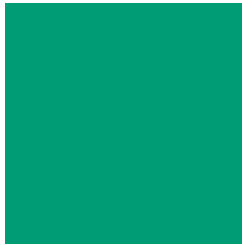
11.6070, 5.9474, 2.1817



0.2229, 0.1125, 0.1198

Previews

White Background



This preview shows how the XYZ color 15.0994, 25.0613, 20.8711 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 15.0994, 25.0613, 20.8711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

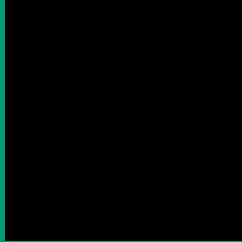
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0994, 25.0613, 20.8711

Background



This preview shows how black text looks on a background with the XYZ color 15.0994, 25.0613, 20.8711.



This preview shows how white text looks on a background with the XYZ color 15.0994, 25.0613,

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

15.0994, 25.0613, 20.8711

Protanopia

23.1351, 24.6896, 17.4561

Deuteranopia

25.1467, 24.6063, 21.8365



Tritanopia

18.7433, 25.0994, 38.0392

Trichromacy



Original Color

15.0994, 25.0613, 20.8711

Protanomaly

17.1053, 23.0679, 18.5899

Deuteranomaly

17.9138, 22.7649, 21.2192

Tritanomaly

17.0122, 24.8389, 31.0919

Monochromacy



Original Color

15.0994, 25.0613, 20.8711

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.2827, 16.7127, 17.0465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0994, 25.0613, 20.8711 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, 156, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 117)  
}
```

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, 156, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 117) }
```

Border

The CSS property to change the border of an element to XYZ 15.0994, 25.0613, 20.8711 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, 156, 117) }
```


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

```
.border{ border-color:rgb(0, 156, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0994, 25.0613, 20.8711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 117) }
```

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

```
.background{ background-color: rgb(0, 156,  
117) }
```

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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