

Converting Colors

XYZ(5.4908, 20.2361, 22.2261)

Have a look what the booklet for
XYZ(5.4908, 20.2361, 22.2261)
contains.

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Color

**XYZ(15.6321, 25.5440,
22.8455)**

Conversions

Conversions Part 1

Format	Color
Hex	009D7B
RGB	0, 157, 123
RGB Percent	0%, 62%, 48%
CMY	1.0000, 0.3843, 0.5176
CMYK	1.00, 0.00, 0.22, 0.38
HSL	167°, 100%, 31%
HSV	167°, 100%, 62%
XYZ	15.6321, 25.5440, 22.8455
YIQ	106.1810, -82.6580, -43.8580

Conversions

Conversions Part 2

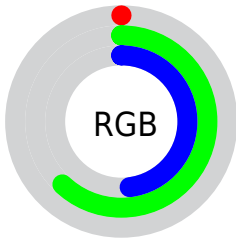
Format	Color
RYB	0, 88, 157
Decimal	40315
CIELab	57.60, -43.30, 8.06
CIELCh	58, 44.047, 169.462
Yxy	25.5440, 0.2442, 0.3990
Android (android.graphics.Color)	4278230395 (0xFF009D7B)
YUV	106.1810, 8.2918, -93.1207
Hunter-Lab	50.5411, -33.2377, 8.5786

Details

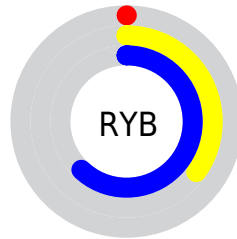
The XYZ color **15.6321, 25.5440, 22.8455** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.1942, 7.2842, 2.1723**, and the grayscale version is **13.7448, 14.4606, 15.7476**.

A 20% lighter version of the original color is **35.4012, 52.3060, 48.7877**, and **6.1863, 10.3950, 8.1590** is the 20% darker color. If you saturate the color by 10%, you get **15.6325, 25.5448, 22.8452**, and if you desaturate by 10%, it is **16.0581, 25.7392, 23.9967**.

Distribution



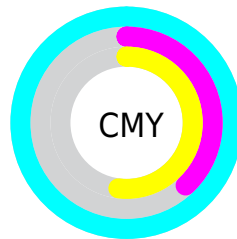
- Red (0%)
- Green (62%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6321, 25.5440, 22.8455 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 15.6321, 25.5440, 22.8455 by changing the saturation by 10% instead.

■ 15.6321, 25.5440,
22.8455

■ 15.6321, 25.5440,
22.8455

220.4742,
280.5364, 280.0266

■ 9.3534, 16.4828,
14.2752

■ 35.5210, 52.5384,
49.0595

■ 5.0313, 9.8664,
8.1714

■ 49.8618, 71.2404,
67.5403

■ 2.3006, 5.3105,
4.1155

■ 67.6207, 93.9248,
90.1617

■ 0.7950, 2.4306,
1.6889

■ 89.1631, 120.9759,
117.3422

■ 0.0000, 0.8416,
0.3531

■ 114.8543,
152.7783, 149.5005

■ 0.0000, 0.0000,
0.0000

■ 145.0597,

189.7162, 187.0549

180.1445,
232.1741, 230.4241

■ 15.6321, 25.5440,
22.8455

■ 15.6321, 25.5440,
22.8455

■ 15.6325, 25.5448,
22.8452

■ 16.0581, 25.7392,
23.9967

■ 16.6510, 26.0190,
25.1941

■ 17.4826, 26.4209,
26.4421

■ 18.5823, 26.9602,
27.7423

■ 19.9754, 27.6499,
29.0964

■ 21.6841, 28.5013,
30.5057

■ 23.7283, 29.5248,
31.9715

■ 26.1264, 30.7298,
33.4950

■ 28.8954, 32.1251,
35.0774

Harmonies

Analogous

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



17.3759, 25.5440, 12.9166



15.6321, 25.5440, 22.8455



15.9377, 25.5440, 38.6216

Triad

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



15.6321, 25.5440, 22.8455



27.8064, 25.5440, 65.0315



31.4624, 25.5440, 11.0984

Complementary

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



15.6321, 25.5440, 22.8455



14.1942, 7.2842, 2.1723

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.



35.1162, 25.5440, 19.2365



15.6321, 25.5440, 22.8455



32.8036, 25.5440, 51.2027

Square

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



15.6321, 25.5440, 22.8455



22.4759, 25.5440, 67.1079



35.6396, 25.5440, 33.4531



26.1756, 25.5440, 7.9510

Rectangle

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



15.6321, 25.5440, 22.8455



17.2784, 25.5440, 50.5795



35.6396, 25.5440, 33.4531



32.9530, 25.5440, 13.1681

Sweetspot

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



15.6328, 25.5450, 22.8461



42.2619, 52.7579, 57.0992



12.7181, 24.4554, 4.0504



8.9724, 11.4451, 12.3370



74.8435, 78.7412, 85.7492



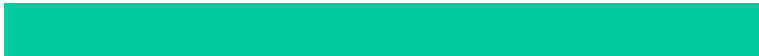
12.6291, 13.2868, 14.4694

Same Dimension

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



15.6328, 25.5450, 22.8461



27.9221, 45.7174, 40.5267



11.9381, 14.1384, 33.9992



6.7603, 7.4849, 8.1723



12.7100, 20.7519, 18.6276



0.2414, 0.3767, 0.4074

Inverse Universe

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



14.1942, 7.2842, 2.1723



25.3599, 13.0206, 3.5775



14.8244, 9.0067, 0.9575



6.6889, 6.6685, 7.2131



11.5395, 5.9204, 1.8259



0.2201, 0.1114, 0.1051

Previews

White Background



This preview shows how the XYZ color 15.6321, 25.5440, 22.8455 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 15.6321, 25.5440, 22.8455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

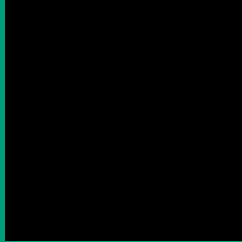
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6321, 25.5440, 22.8455

Background



This preview shows how black text looks on a background with the XYZ color 15.6321, 25.5440, 22.8455.



This preview shows how white text looks on a background with the XYZ color 15.6321, 25.5440,

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

15.6321, 25.5440, 22.8455

Protanopia

23.6034, 25.1033, 19.2242

Deuteranopia

25.6102, 25.2036, 23.9370



Tritanopia

19.1480, 25.7652, 39.0859

Trichromacy



Original Color

15.6321, 25.5440, 22.8455

Protanomaly

17.5978, 23.5062, 20.4393

Deuteranomaly

18.4759, 23.4490, 23.2910

Tritanomaly

17.5455, 25.5724, 32.4450

Monochromacy



Original Color

15.6321, 25.5440, 22.8455

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.5730, 17.0304, 17.9538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6321, 25.5440, 22.8455 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, 157, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 123)  
}
```

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, 157, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.6321, 25.5440, 22.8455 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, 157, 123) }
```


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

```
.border{ border-color:rgb(0, 157, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6321, 25.5440, 22.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 123) }
```

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

```
.background{ background-color: rgb(0, 157,  
123) }
```

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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