

Converting Colors

XYZ(15.2811, 24.9443, 20.9041)

Have a look what the booklet for
XYZ(15.2811, 24.9443, 20.9041)
contains.

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Color

**XYZ(15.2415, 24.8865,
20.8299)**

Conversions

Conversions Part 1

Format	Color
Hex	159B75
RGB	21, 155, 117
RGB Percent	8%, 61%, 46%
CMY	0.9176, 0.3921, 0.5412
CMYK	0.86, 0.00, 0.25, 0.39
HSL	163°, 76%, 35%
HSV	163°, 86%, 61%
XYZ	15.2415, 24.8865, 20.8299
YIQ	110.6020, -67.6660, -40.2260

Conversions

Conversions Part 2

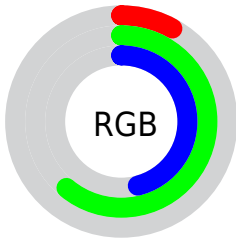
Format	Color
R_{YB}	21, 99, 155
Decimal	1416053
CIE _{Lab}	56.96, -42.86, 10.56
CIE _{LCh}	57, 44.141, 166.158
Yxy	24.8865, 0.2500, 0.4083
Android (android.graphics.Color)	4279606133 (0xFF159B75)
YUV	110.6020, 3.1542, -78.5810
Hunter-Lab	49.8864, -32.7651, 10.1641

Details

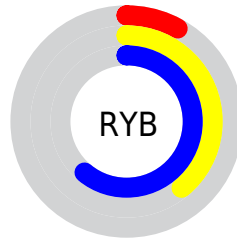
The XYZ color **15.2415, 24.8865, 20.8299** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.5760, 7.8213, 4.8803**, and the grayscale version is **15.0004, 15.7816, 17.1861**.

A 20% lighter version of the original color is **34.7222, 51.2849, 45.6050**, and **5.9244, 10.1302, 7.2733** is the 20% darker color. If you saturate the color by 10%, you get **14.7492, 24.6625, 19.4896**, and if you desaturate by 10%, it is **15.9428, 25.2181, 22.2445**.

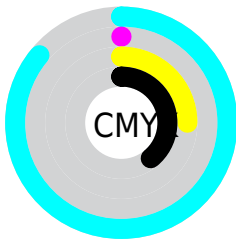
Distribution



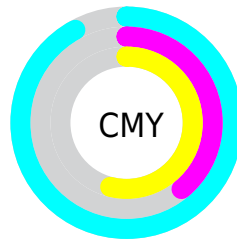
- Red (8%)
- Green (61%)
- Blue (46%)



- Red (8%)
- Yellow (39%)
- Blue (61%)



- Cyan (86%)
- Magenta (0%)
- Yellow (25%)
- Black (39%)





- Cyan (92%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2415, 24.8865, 20.8299 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 15.2415, 24.8865, 20.8299 by changing the saturation by 10% instead.


 15.2415, 24.8865,
20.8299


 15.2415, 24.8865,
20.8299


218.1828,
277.2722, 269.1244


 9.0765, 15.9925,
12.8097


 34.8445, 51.4730,
45.6814


 4.8486, 9.5189,
7.1684


 49.0131, 69.9344,
63.3497


 2.1925, 5.0811,
3.4876

 66.5804, 92.3536,
85.0712

 0.7388, 2.2949,
1.3487

 87.9116, 119.1152,
111.2644

 0.0000, 0.7710,
0.1012

 113.3720,
150.6034, 142.3477

 0.0000, 0.0000,
0.0000

 143.3272,

187.2027, 178.7398

178.1423,
229.2975, 220.8592

■ 15.2415, 24.8865,
20.8299

■ 15.2415, 24.8865,
20.8299

■ 14.7492, 24.6625,
19.4896

■ 15.9428, 25.2181,
22.2445

■ 14.5934, 24.5922,
19.0292

■ 16.8909, 25.6749,
23.7343

■ 18.1135, 26.2717,
25.3020

■ 19.6338, 27.0206,
26.9495

■ 21.4727, 27.9322,
28.6785

■ 23.6489, 29.0162,
30.4908

■ 26.1799, 30.2816,
32.3879

■ 29.0819, 31.7367,
34.3712

■ 32.3698, 33.3893,
36.4424

Harmonies

Analogous

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



17.1731, 24.8865, 11.7527



15.2415, 24.8865, 20.8299



15.3194, 24.8865, 35.8352

Triad

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



15.2415, 24.8865, 20.8299



26.5352, 24.8865, 64.7644



31.2450, 24.8865, 11.2917

Complementary

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



15.2415, 24.8865, 20.8299



14.5760, 7.8213, 4.8803

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.



34.5676, 24.8865, 19.9093



15.2415, 24.8865, 20.8299



31.5889, 24.8865, 52.0455

Square

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



15.2415, 24.8865, 20.8299



21.3502, 24.8865, 65.2992



34.7019, 24.8865, 34.5101



26.1176, 24.8865, 7.7659

Rectangle

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



15.2415, 24.8865, 20.8299



16.4894, 24.8865, 47.6509



34.7019, 24.8865, 34.5101



32.6408, 24.8865, 13.5115

Sweetspot

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



15.2422, 24.8875, 20.8305



42.3259, 51.9504, 54.5838



13.7944, 24.4964, 4.7111



9.2819, 11.6099, 12.1152



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.



15.2422, 24.8875, 20.8305



26.0501, 44.0068, 33.6345



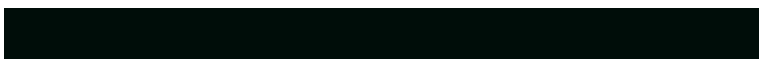
13.9718, 18.0177, 33.7529



6.3098, 6.9967, 7.5550



11.7380, 19.7586, 15.3726



0.1908, 0.3015, 0.3104

Inverse Universe

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



14.5760, 7.8213, 4.8803



24.9504, 12.7767, 5.0392



14.7026, 9.1211, 1.6955



6.2772, 6.2501, 6.8401



11.2366, 5.7489, 2.5049



0.1821, 0.0916, 0.1119

Previews

White Background



This preview shows how the XYZ color 15.2415, 24.8865, 20.8299 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 15.2415, 24.8865, 20.8299 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

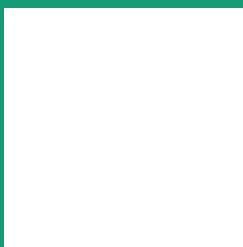
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2415, 24.8865, 20.8299

Background



This preview shows how black text looks on a background with the XYZ color 15.2415, 24.8865, 20.8299.



This preview shows how white text looks on a background with the XYZ color 15.2415, 24.8865,

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

15.2415, 24.8865, 20.8299

Protanopia

23.0125, 24.6203, 17.7267

Deuteranopia

24.9556, 24.5078, 21.8275



Tritanopia

18.6487, 24.8250, 37.5270

Trichromacy



Original Color

15.2415, 24.8865, 20.8299

Protanomaly

17.8373, 23.4453, 18.6242

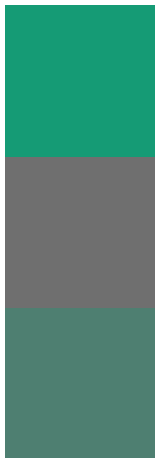
Deuteranomaly

18.7121, 23.1764, 21.2566

Tritanomaly

17.0919, 24.6490, 30.6450

Monochromacy



Original Color

15.2415, 24.8865, 20.8299

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.7119, 17.9907, 18.3726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2415, 24.8865, 20.8299 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(21, 155, 117)` looks like.

```
.text, #text, p{  
    color:rgb(21, 155, 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(21, 155, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 155, 117) }
```

Border

The CSS property to change the border of an element to XYZ 15.2415, 24.8865, 20.8299 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(21, 155, 117) }
```


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

```
.border{ border-color:rgb(21, 155, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 155, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 155, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 155, 117);  
box-shadow:4px 4px 4px 4px rgb(21, 155,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2415, 24.8865, 20.8299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 155, 117) }
```

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

```
.background{ background-color: rgb(21, 155,  
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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