

Converting Colors

XYZ(15.8624, 20.2755, 9.9150)

Have a look what the booklet for
XYZ(15.8624, 20.2755, 9.9150)
contains.

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Color

**XYZ(15.8624, 20.2755,
9.9150)**

Conversions

Conversions Part 1

Format	Color
Hex	6D844C
RGB	109, 132, 76
RGB Percent	43%, 52%, 30%
CMY	0.5725, 0.4823, 0.7020
CMYK	0.17, 0.00, 0.42, 0.48
HSL	85°, 27%, 41%
HSV	85°, 42%, 52%
XYZ	15.8624, 20.2755, 9.9150
YIQ	118.7390, 4.2680, -22.2920

Conversions

Conversions Part 2

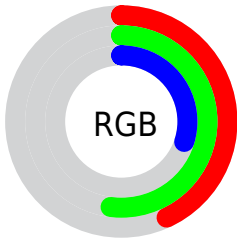
Format	Color
RYB	76, 132, 99
Decimal	7177292
CIELab	52.15, -18.45, 27.52
CIElCh	52, 33.132, 123.849
Yxy	20.2755, 0.3444, 0.4403
Android (android.graphics.Color)	4285367372 (0xFF6D844C)
YUV	118.7390, -21.0703, -8.5411
Hunter-Lab	45.0283, -15.9183, 18.4645

Details

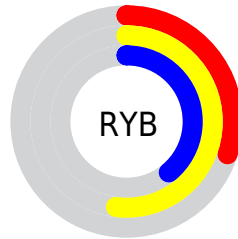
The XYZ color **15.8624, 20.2755, 9.9150** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.8957, 9.4880, 23.0353**, and the grayscale version is **17.5160, 18.4282, 20.0683**.

A 20% lighter version of the original color is **35.8128, 43.7813, 26.3018**, and **5.1151, 7.0890, 2.3270** is the 20% darker color. If you saturate the color by 10%, you get **14.8034, 19.7779, 7.7109**, and if you desaturate by 10%, it is **17.0578, 20.8338, 12.6180**.

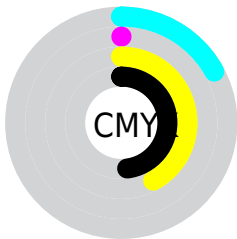
Distribution



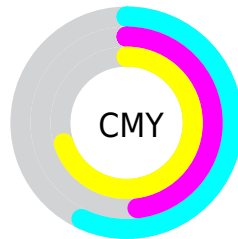
- Red (43%)
- Green (52%)
- Blue (30%)



- Red (30%)
- Yellow (52%)
- Blue (39%)



- Cyan (17%)
- Magenta (0%)
- Yellow (42%)
- Black (48%)



- Cyan (57%)
- Magenta (48%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8624, 20.2755, 9.9150 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 15.8624, 20.2755, 9.9150 by changing the saturation by 10% instead.

■ 15.8624, 20.2755,
9.9150

■ 15.8624, 20.2755,
9.9150

221.8148,
253.4027, 200.5271

■ 9.5171, 12.5955,
5.2378

■ 35.9185, 43.8786,
26.2408

■ 5.1397, 7.1506,
2.3263

■ 50.3601, 60.5705,
38.7265

■ 2.3651, 3.5564,
0.7459

■ 68.2310, 81.0350,
54.6520

■ 0.8277, 1.4287,
0.0000

■ 89.8968, 105.6567,
74.4360

■ 0.0000, 0.2377,
0.0000

■ 115.7226,
134.8200, 98.4970

■ 0.0000, 0.0000,
0.0000

146.0740,

168.9091, 127.2534

181.3163,
208.3085, 161.1239

■ 15.8624, 20.2755,
9.9150

■ 15.8624, 20.2755,
9.9150

■ 14.8034, 19.7779,
7.7109

■ 17.0578, 20.8338,
12.6180

■ 13.8726, 19.3356,
5.9736

■ 18.3941, 21.4526,
15.8465

■ 13.0635, 18.9465,
4.6698

■ 19.8774, 22.1351,
19.6269

■ 12.3680, 18.6073,
3.7609

■ 21.5129, 22.8836,
23.9833

■ 11.7765, 18.3141,
3.2015

■ 23.3057, 23.7000,
28.9386

■ 11.3757, 18.1138,
2.8968

■ 25.2605, 24.5863,
34.5143

■ 27.3818, 25.5445,
40.7307

■ 29.6739, 26.5763,
47.6075

■ 32.1410, 27.6834,
55.1633

Harmonies

Analogous

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



18.8368, 20.2755, 8.1938



15.8624, 20.2755, 9.9150



13.9904, 20.2755, 14.8260

Triad

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



15.8624, 20.2755, 9.9150



16.5377, 20.2755, 43.4421



26.5373, 20.2755, 20.8465

Complementary

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



15.8624, 20.2755, 9.9150



11.8957, 9.4880, 23.0353

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.



25.7375, 20.2755, 31.3731



15.8624, 20.2755, 9.9150



19.7123, 20.2755, 46.4445

Square

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



15.8624, 20.2755, 9.9150



14.3470, 20.2755, 34.1986



23.1365, 20.2755, 41.5030



25.2102, 20.2755, 13.2224

Rectangle

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



15.8624, 20.2755, 9.9150



13.4876, 20.2755, 20.1354



23.1365, 20.2755, 41.5030



26.5090, 20.2755, 24.1387

Sweetspot

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



15.8629, 20.2764, 9.9154



34.7755, 38.8804, 33.9549



15.2262, 14.2384, 8.7835



7.9744, 8.9961, 7.5896



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.8629, 20.2764, 9.9154



26.1249, 34.8606, 13.6813



13.0014, 18.8012, 9.7815



4.8596, 5.3302, 5.0021



11.0201, 17.5410, 2.8049



0.0465, 0.0651, 0.0101

Inverse Universe

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



11.8957, 9.4880, 23.0353



18.1623, 13.1892, 40.0417



15.4133, 11.3014, 23.1999



4.6022, 4.6310, 5.8521



5.5230, 2.3814, 21.3052



0.0271, 0.0123, 0.0742

Previews

White Background



This preview shows how the XYZ color 15.8624, 20.2755, 9.9150 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 15.8624, 20.2755, 9.9150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

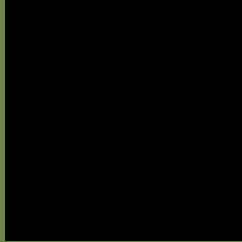
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8624, 20.2755, 9.9150

Background



This preview shows how black text looks on a background with the XYZ color 15.8624, 20.2755, 9.9150.



This preview shows how white text looks on a background with the XYZ color 15.8624, 20.2755,

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

15.8624, 20.2755, 9.9150

Protanopia

18.5636, 20.1306, 9.2105

Deuteranopia

20.5858, 20.2422, 10.2193



Tritanopia

19.0429, 20.1984, 25.8167

Trichromacy



Original Color

15.8624, 20.2755, 9.9150

Protanomaly

17.4296, 20.1088, 9.4413

Deuteranomaly

18.5745, 20.1163, 10.1116

Tritanomaly

17.6959, 20.2307, 18.8918

Monochromacy



Original Color

15.8624, 20.2755, 9.9150

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7261, 19.0394, 15.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8624, 20.2755, 9.9150 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(109, 132, 76)` looks like.

```
.text, #text, p{  
    color:rgb(109, 132, 76)  
}
```

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(109, 132, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 132, 76) }
```

Border

The CSS property to change the border of an element to XYZ 15.8624, 20.2755, 9.9150 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(109, 132, 76) }
```


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

```
.border{ border-color:rgb(109, 132, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 132, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 132, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 132, 76);  
box-shadow:4px 4px 4px 4px rgb(109, 132,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8624, 20.2755, 9.9150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 132, 76) }
```

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

```
.background{ background-color: rgb(109,  
132, 76) }
```

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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