

Converting Colors

XYZ(21.7688, 28.4209, 15.6494)

Have a look what the booklet for
XYZ(21.7688, 28.4209, 15.6494)
contains.

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Color

**XYZ(21.7642, 28.3707,
15.6383)**

Conversions

Conversions Part 1

Format	Color
Hex	799B61
RGB	121, 155, 97
RGB Percent	47%, 61%, 38%
CMY	0.5255, 0.3921, 0.6196
CMYK	0.22, 0.00, 0.37, 0.39
HSL	95°, 23%, 49%
HSV	95°, 37%, 61%
XYZ	21.7642, 28.3707, 15.6383
YIQ	138.2220, -1.6460, -25.2460

Conversions

Conversions Part 2

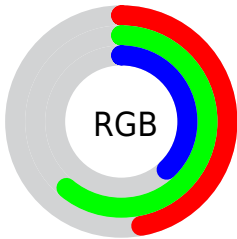
Format	Color
RYB	97, 155, 131
Decimal	7969633
CIELab	60.22, -22.65, 26.68
CIElCh	60, 34.997, 130.330
Yxy	28.3707, 0.3309, 0.4313
Android (android.graphics.Color)	4286159713 (0xFF799B61)
YUV	138.2220, -20.3224, -15.1037
Hunter-Lab	53.2642, -20.2756, 19.8774

Details

The XYZ color **21.7642, 28.3707, 15.6383** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5524, 15.7421, 33.0199**, and the grayscale version is **24.3186, 25.5850, 27.8621**.

A 20% lighter version of the original color is **45.8474, 57.2300, 36.6470**, and **8.1032, 11.4620, 4.6910** is the 20% darker color. If you saturate the color by 10%, you get **19.8971, 27.4846, 12.1399**, and if you desaturate by 10%, it is **23.8940, 29.3777, 19.8874**.

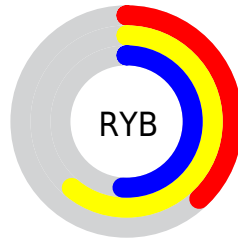
Distribution



Red (47%)

Green (61%)

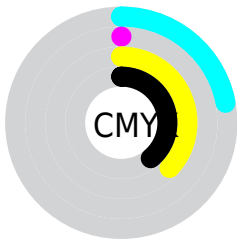
Blue (38%)



Red (38%)

Yellow (61%)

Blue (51%)

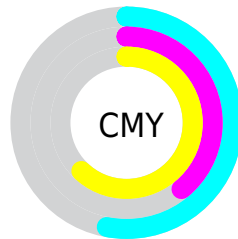


Cyan (22%)

Magenta (0%)

Yellow (37%)

Black (39%)



Cyan (53%)

Magenta (39%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7642, 28.3707, 15.6383 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 21.7642, 28.3707, 15.6383 by changing the saturation by 10% instead.

■ 21.7642, 28.3707,
15.6383

■ 21.7642, 28.3707,
15.6383

253.9680,
294.2340, 238.9702

■ 13.7994, 18.6053,
9.1170

■ 45.8377, 57.0757,
36.7271

■ 8.0620, 11.3854,
4.7197

■ 62.6771, 76.7842,
52.1317

■ 4.1868, 6.3267,
2.0279

■ 83.2054, 100.5757,
71.3345

■ 1.8083, 3.0447,
0.5724

■ 107.7880,
128.8347, 94.7541

■ 0.5227, 1.1551,
0.0000

136.7902,
161.9457, 122.8089

■ 0.0000, 0.0246,
0.0000

170.5773,

■ 0.0000, 0.0000,

200.2930, 155.9175

0.0000

209.5148,
244.2610, 194.4984

■ 21.7642, 28.3707,
15.6383

■ 21.7642, 28.3707,
15.6383

■ 19.8971, 27.4846,
12.1399

■ 23.8940, 29.3777,
19.8874

■ 18.2790, 26.7105,
9.3467

■ 26.2950, 30.5064,
24.9254

■ 16.8980, 26.0444,
7.2110


■ 28.9781, 31.7626,
30.7903


■ 15.7402, 25.4803,
5.6787


■ 31.9529, 33.1503,
37.5169


■ 14.7899, 25.0114,
4.6869


■ 35.2284, 34.6736,
45.1382


 14.0230, 24.6276,
4.1294

 38.8132, 36.3362,
53.6854

 13.8450, 24.5383,
4.0067

 42.7157, 38.1417,
63.1880

 46.9439, 40.0937,
73.6745

 51.5053, 42.1954,
85.1720

Harmonies

Analogous

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



25.4496, 28.3707, 12.4172



21.7642, 28.3707, 15.6383



19.6379, 28.3707, 23.3063

Triad

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



21.7642, 28.3707, 15.6383



24.1677, 28.3707, 60.4442



36.3624, 28.3707, 26.6735

Complementary

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



21.7642, 28.3707, 15.6383



19.5524, 15.7421, 33.0199

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.



35.9209, 28.3707, 39.9647



21.7642, 28.3707, 15.6383



28.5404, 28.3707, 62.0859

Square

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



21.7642, 28.3707, 15.6383



20.9154, 28.3707, 49.7737



32.9357, 28.3707, 53.7820



34.0825, 28.3707, 17.5135

Rectangle

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



21.7642, 28.3707, 15.6383



19.2338, 28.3707, 31.0333



32.9357, 28.3707, 53.7820



36.5330, 28.3707, 30.7489

Sweetspot

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



21.7649, 28.3719, 15.6389



50.0102, 55.9996, 50.9752



23.7703, 24.0206, 14.6933



11.1830, 12.6113, 11.2389



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.



21.7649, 28.3719, 15.6389



36.1180, 49.4511, 22.6219



19.0420, 26.9414, 16.7242



6.3622, 7.0442, 6.6302



11.1613, 19.7297, 3.2200



0.2068, 0.3155, 0.0500

Inverse Universe

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



19.5524, 15.7421, 33.0199



31.5558, 23.4493, 58.3993



23.3118, 17.7261, 31.1188



6.2140, 6.1962, 7.7974



8.2509, 3.7046, 25.1879



0.1646, 0.0767, 0.3785

Previews

White Background



This preview shows how the XYZ color 21.7642, 28.3707, 15.6383 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 21.7642, 28.3707, 15.6383 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 21.7642, 28.3707, 15.6383

Background



This preview shows how black text looks on a background with the XYZ color 21.7642, 28.3707, 15.6383.



This preview shows how white text looks on a background with the XYZ color 21.7642, 28.3707,

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

21.7642, 28.3707, 15.6383

Protanopia

26.2017, 28.3102, 14.4394

Deuteranopia

28.8152, 28.2891, 16.2535



Tritanopia

25.8976, 28.1165, 36.8630

Trichromacy



Original Color

21.7642, 28.3707, 15.6383

Protanomaly

24.4449, 28.3228, 14.7681

Deuteranomaly

25.7521, 28.0409, 16.1118

Tritanomaly

24.1027, 28.1023, 27.4465

Monochromacy



Original Color

21.7642, 28.3707, 15.6383

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.0641, 26.2821, 22.5962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7642, 28.3707, 15.6383 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(121, 155, 97)` looks like.

```
.text, #text, p{  
    color:rgb(121, 155, 97)  
}
```

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(121, 155, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 155, 97) }
```

Border

The CSS property to change the border of an element to XYZ 21.7642, 28.3707, 15.6383 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(121, 155, 97) }
```


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

```
.border{ border-color:rgb(121, 155, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 155, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 155, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 155, 97);  
box-shadow:4px 4px 4px 4px rgb(121, 155,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7642, 28.3707, 15.6383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 155, 97) }
```

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

```
.background{ background-color: rgb(121,  
155, 97) }
```

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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