

Converting Colors

XYZ(12.7535, 15.8417, 13.0376)

Have a look what the booklet for
XYZ(12.7535, 15.8417, 13.0376)
contains.

XYZ(12.6961, 15.7549, 12.9615)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.6961, 15.7549,
12.9615)**

Conversions

Conversions Part 1

Format	Color
Hex	5B755E
RGB	91, 117, 94
RGB Percent	36%, 46%, 37%
CMY	0.6431, 0.5412, 0.6314
CMYK	0.22, 0.00, 0.20, 0.54
HSL	127°, 13%, 41%
HSV	127°, 22%, 46%
XYZ	12.6961, 15.7549, 12.9615
YIQ	106.6040, -8.1130, -12.6650

Conversions

Conversions Part 2

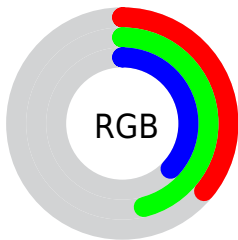
Format	Color
R _Y B	91, 114, 117
Decimal	5993822
CIE Lab	46.65, -14.46, 9.63
CIE LCh	47, 17.373, 146.319
Yxy	15.7549, 0.3066, 0.3804
Android (android.graphics.Color)	4284183902 (0xFF5B755E)
YUV	106.6040, -6.2138, -13.6847
Hunter-Lab	39.6924, -12.3664, 8.4237

Details

The XYZ color **12.6961, 15.7549, 12.9615** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1151, 12.4794, 17.5853**, and the grayscale version is **13.8842, 14.6073, 15.9073**.

A 20% lighter version of the original color is **30.3773, 36.1403, 31.7603**, and **3.7003, 5.0051, 3.5674** is the 20% darker color. If you saturate the color by 10%, you get **11.1977, 15.0330, 10.6274**, and if you desaturate by 10%, it is **14.4375, 16.5958, 15.6328**.

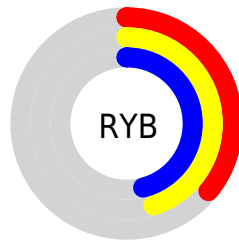
Distribution



Red (36%)

Green (46%)

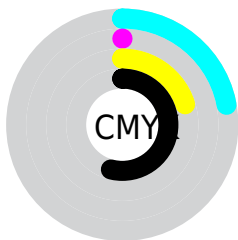
Blue (37%)



Red (36%)

Yellow (45%)

Blue (46%)

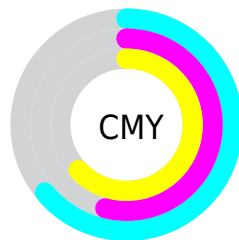


Cyan (22%)

Magenta (0%)

Yellow (20%)

Black (54%)



Cyan (64%)

Magenta (54%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6961, 15.7549, 12.9615 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 12.6961, 15.7549, 12.9615 by changing the saturation by 10% instead.

■ 12.6961, 15.7549,
12.9615

■ 12.6961, 15.7549,
12.9615

202.6379,
227.8911, 221.8699

■ 7.2952, 9.3509,
7.2716

■ 30.3627, 36.1722,
31.9248

■ 3.6953, 4.9707,
3.5515

■ 43.3591, 50.9542,
46.0352

■ 1.5313, 2.2301,
1.3827

■ 59.6180, 69.2977,
63.7897

■ 0.3470, 0.7363,
0.1282

■ 79.5048, 91.5871,
85.6066

■ 0.0000, 0.0000,
0.0000

103.3848,
118.2067, 111.9045

131.6235,

149.5410, 143.1020

164.5861,
185.9743, 179.6177

■ 12.6961, 15.7549,
12.9615

■ 12.6961, 15.7549,
12.9615

■ 11.1977, 15.0330,
10.6274

■ 14.4375, 16.5958,
15.6328

■ 9.9303, 14.4229,
8.6161

■ 16.4308, 17.5585,
18.6530

■ 8.8827, 13.9194,
6.9138

■ 18.6858, 18.6486,
22.0342

■ 8.0423, 13.5165,
5.5051

■ 21.2117, 19.8702,
25.7880

■ 7.3953, 13.2073,
4.3734

■ 24.0170, 21.2278,
29.9251

■ 6.9260, 12.9842,
3.5004

■ 27.1100, 22.7252,
34.4560

■ 6.6160, 12.8381,
2.8657

■ 30.4984, 24.3662,
39.3908

■ 6.4375, 12.7535,
2.5202

■ 34.1899, 26.1547,
44.7392

■ 38.1918, 28.0942,
50.5105

Harmonies

Analogous

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



13.7294, 15.7549, 10.7536



12.6961, 15.7549, 12.9615



12.2717, 15.7549, 16.6284

Triad

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



12.6961, 15.7549, 12.9615



14.7898, 15.7549, 26.8108



17.7173, 15.7549, 13.7402

Complementary

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



12.6961, 15.7549, 12.9615



14.1151, 12.4794, 17.5853

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.



18.0478, 15.7549, 17.6914



12.6961, 15.7549, 12.9615



16.2928, 15.7549, 25.6942

Square

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



12.6961, 15.7549, 12.9615



13.4283, 15.7549, 25.0048



17.5105, 15.7549, 22.1661



16.6352, 15.7549, 11.1476

Rectangle

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



12.6961, 15.7549, 12.9615



12.3687, 15.7549, 19.5867



17.5105, 15.7549, 22.1661



17.9229, 15.7549, 14.9323

Sweetspot

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



12.6965, 15.7556, 12.9618



27.5942, 30.5581, 30.6398



15.2419, 17.0830, 12.3918



6.3124, 7.0104, 6.9962



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.6965, 15.7556, 12.9618



21.2129, 27.4785, 20.8482



13.3090, 16.0006, 16.1874



3.6562, 4.1045, 4.0236



7.0888, 14.0495, 2.7580



34.3742, 68.3970, 12.5417

Inverse Universe

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



14.1151, 12.4794, 17.5853



24.2607, 20.4379, 30.7805



13.4464, 12.2120, 14.0638



3.8093, 3.7510, 4.5227



10.8045, 5.2555, 14.7103



52.4490, 25.5297, 70.6187

Previews

White Background



This preview shows how the XYZ color 12.6961, 15.7549, 12.9615 looks on a white background.

Color Contrast Check

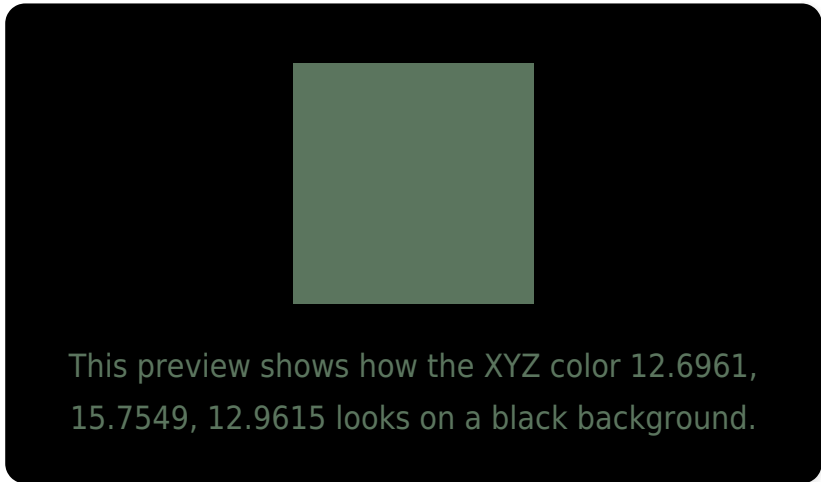
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

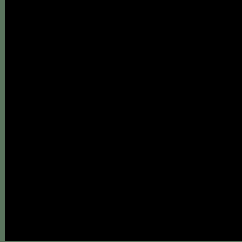
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6961, 15.7549, 12.9615

Background



This preview shows how black text looks on a background with the XYZ color 12.6961, 15.7549, 12.9615.



This preview shows how white text looks on a background with the XYZ color 12.6961, 15.7549,

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

12.6961, 15.7549, 12.9615

Protanopia

14.8004, 15.6891, 12.1458

Deuteranopia

15.8695, 15.5882, 13.2387



Tritanopia

14.2418, 15.7022, 20.6926

Trichromacy



Original Color

12.6961, 15.7549, 12.9615

Protanomaly

14.0212, 15.7711, 12.4303

Deuteranomaly

14.4515, 15.4888, 13.0544

Tritanomaly

13.5580, 15.5842, 17.6227

Monochromacy



Original Color

12.6961, 15.7549, 12.9615

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4495, 15.0949, 14.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6961, 15.7549, 12.9615 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(91, 117, 94) looks like.

```
.text, #text, p{  
    color:rgb(91, 117, 94)  
}
```

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(91, 117, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 117, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.6961, 15.7549, 12.9615 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(91, 117, 94) }
```


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

```
.border{ border-color:rgb(91, 117, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 117, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 117, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 117, 94);  
box-shadow:4px 4px 4px 4px rgb(91, 117,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6961, 15.7549, 12.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 117, 94) }
```

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

```
.background{ background-color: rgb(91, 117,  
94) }
```

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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