

Converting Colors

XYZ(12.8505, 13.5741, 15.3787)

Have a look what the booklet for
XYZ(12.8505, 13.5741, 15.3787)
contains.

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Color

**XYZ(12.7669, 13.4871,
15.2950)**

Conversions

Conversions Part 1

Format	Color
Hex	656769
RGB	101, 103, 105
RGB Percent	40%, 40%, 41%
CMY	0.6039, 0.5961, 0.5882
CMYK	0.04, 0.02, 0.00, 0.59
HSL	210°, 2%, 40%
HSV	210°, 4%, 41%
XYZ	12.7669, 13.4871, 15.2950
YIQ	102.6300, -1.8340, 0.1980

Conversions

Conversions Part 2

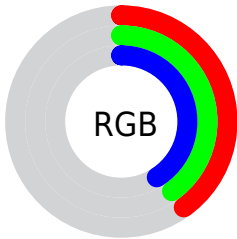
Format	Color
R_{YB}	101, 102, 105
Decimal	6645609
CIE _{Lab}	43.49, -0.35, -1.40
CIE _{LCh}	43, 1.443, 256.030
Yxy	13.4871, 0.3073, 0.3246
Android (android.graphics.Color)	4284835689 (0xFF656769)
YUV	102.6300, 1.1684, -1.4295
Hunter-Lab	36.7248, -2.2151, 1.0145

Details

The XYZ color **12.7669, 13.4871, 15.2950** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0250, 13.6433, 14.2591**, and the grayscale version is **12.7922, 13.4584, 14.6562**.

A 20% lighter version of the original color is **30.5052, 32.1869, 36.0574**, and **3.6992, 3.9181, 4.5643** is the 20% darker color. If you saturate the color by 10%, you get **11.1601, 11.9086, 15.0752**, and if you desaturate by 10%, it is **14.5575, 15.2097, 15.5333**.

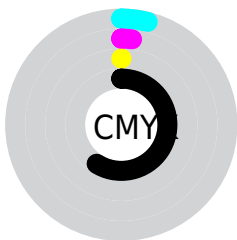
Distribution



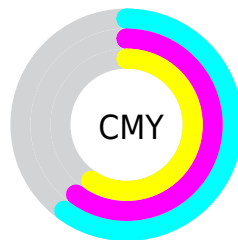
- Red (40%)
- Green (40%)
- Blue (41%)



- Red (40%)
- Yellow (40%)
- Blue (41%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (59%)



- Cyan (60%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7669, 13.4871, 15.2950 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 12.7669, 13.4871, 15.2950 by changing the saturation by 10% instead.

■ 12.7669, 13.4871,
15.2950

■ 12.7669, 13.4871,
15.2950

203.0863,
214.0163, 236.8469

■ 7.3441, 7.7648,
8.8778

■ 30.4893, 32.1761,
36.1195

■ 3.7265, 3.9448,
4.5658

■ 43.5196, 45.9117,
51.3638

■ 1.5486, 1.6427,
1.9406

■ 59.8164, 63.0871,
70.3875

■ 0.3585, 0.3862,
0.5184

■ 79.7451, 84.0868,
93.6093

■ 0.0000, 0.0000,
0.0000

103.6711,
109.2952, 121.4475

131.9598,

139.0966, 154.3209

164.9763,
173.8755, 192.6478

■ 12.7669, 13.4871,
15.2950

■ 12.7669, 13.4871,
15.2950

■ 11.1601, 11.9086,
15.0752

■ 14.5575, 15.2097,
15.5333

■ 9.7296, 10.4683,
14.8726

■ 16.5366, 17.0786,
15.7898

■ 8.4693, 9.1626,
14.6870

■ 18.7103, 19.0982,
16.0650

■ 7.3721, 7.9869,
14.5179

■ 21.0839, 21.2720,
16.3595

■ 6.4304, 6.9363,
14.3647

■ 23.6627, 23.6035,
16.6736

■ 5.6359, 6.0055,
14.2269

■ 26.4517, 26.0960,
17.0077

■ 4.9797, 5.1888,
14.1039

■ 29.4556, 28.7528,
17.3622

■ 4.4514, 4.4800,
13.9949

■ 32.6792, 31.5771,
17.7374

■ 4.0350, 3.8694,
13.8990

■ 36.1269, 34.5719,
18.1338

Harmonies

Analogous

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



12.6694, 13.4871, 15.1359



12.7669, 13.4871, 15.2950



12.8790, 13.4871, 15.2891

Triad

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



12.7669, 13.4871, 15.2950



13.0283, 13.4871, 14.5146



12.6639, 13.4871, 14.2590

Complementary

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



12.7669, 13.4871, 15.2950



13.0250, 13.6433, 14.2591

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.



12.7594, 13.4871, 14.0974



12.7669, 13.4871, 15.2950



12.9700, 13.4871, 14.2435

Square

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



12.7669, 13.4871, 15.2950



13.0303, 13.4871, 14.8353



12.8714, 13.4871, 14.0917



12.6102, 13.4871, 14.5360

Rectangle

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



12.7669, 13.4871, 15.2950



12.9468, 13.4871, 15.1922



12.8714, 13.4871, 14.0917



12.6922, 13.4871, 14.1895

Sweetspot

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



12.7673, 13.4877, 15.2953



23.7190, 24.9824, 27.5030



12.8635, 13.8480, 14.8096



5.5626, 5.8583, 6.4434



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7673, 13.4877, 15.2953



22.4583, 23.7590, 27.3333



12.5771, 13.1072, 15.2319



3.2129, 3.3999, 3.9218



4.7767, 4.3877, 17.5174



23.4702, 20.6190, 88.9690

Inverse Universe

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



12.9279, 13.2902, 14.7165



22.8444, 23.2892, 25.9406



13.2197, 14.0327, 14.3240



3.2709, 3.3294, 3.7125



8.1579, 4.1153, 4.4601



41.1295, 20.7937, 20.4163

Previews

White Background



This preview shows how the XYZ color 12.7669, 13.4871, 15.2950 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



This preview shows how the XYZ color 12.7669, 13.4871, 15.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

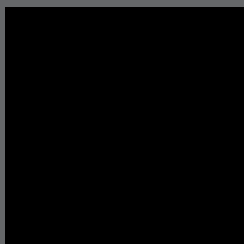
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

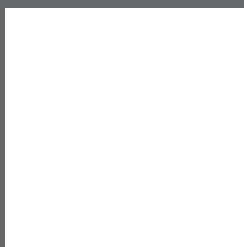
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7669, 13.4871, 15.2950

Background



This preview shows how black text looks on a background with the XYZ color 12.7669, 13.4871, 15.2950.



This preview shows how white text looks on a background with the XYZ color 12.7669, 13.4871,

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

12.7669, 13.4871, 15.2950

Protanopia

12.9590, 13.4453, 15.0089

Deuteranopia

13.7142, 13.5345, 15.5253



Tritanopia

13.0453, 13.4533, 16.6610

Trichromacy

**Original Color**

12.7669, 13.4871, 15.2950

Protanomaly

12.8436, 13.3858, 15.0035

Deuteranomaly

13.3186, 13.4738, 15.5344

Tritanomaly

12.9376, 13.4102, 16.0939

Monochromacy

**Original Color**

12.7669, 13.4871, 15.2950

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8284, 13.5248, 15.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7669, 13.4871, 15.2950 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(101, 103, 105)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 105)  
}
```

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(101, 103, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.7669, 13.4871, 15.2950 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(101, 103, 105) }
```


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

```
.border{ border-color:rgb(101, 103, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 103, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7669, 13.4871, 15.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 105) }
```

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

```
.background{ background-color: rgb(101,  
103, 105) }
```

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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