

Converting Colors

XYZ(12.9546, 14.2727, 13.3225)

Have a look what the booklet for
XYZ(12.9546, 14.2727, 13.3225)
contains.

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Color

**XYZ(12.8949, 14.2032,
13.3711)**

Conversions

Conversions Part 1

Format	Color
Hex	666B61
RGB	102, 107, 97
RGB Percent	40%, 42%, 38%
CMY	0.6000, 0.5804, 0.6196
CMYK	0.05, 0.00, 0.09, 0.58
HSL	90°, 5%, 40%
HSV	90°, 9%, 42%
XYZ	12.8949, 14.2032, 13.3711
YIQ	104.3650, 0.2300, -4.1700

Conversions

Conversions Part 2

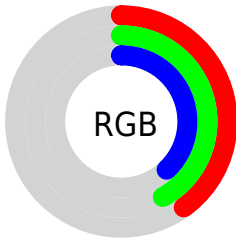
Format	Color
R_{YB}	97, 107, 102
Decimal	6712161
CIE _{Lab}	44.52, -3.96, 4.94
CIE _{LCh}	45, 6.328, 128.689
Yxy	14.2032, 0.3186, 0.3510
Android (android.graphics.Color)	4284902241 (0xFF666B61)
YUV	104.3650, -3.6309, -2.0741
Hunter-Lab	37.6871, -4.8775, 5.3454

Details

The XYZ color **12.8949, 14.2032, 13.3711** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4084, 12.4360, 15.6569**, and the grayscale version is **13.2657, 13.9566, 15.1987**.

A 20% lighter version of the original color is **30.7090, 33.3641, 32.8384**, and **3.7889, 4.2830, 3.7590** is the 20% darker color. If you saturate the color by 10%, you get **11.8425, 13.7149, 10.8908**, and if you desaturate by 10%, it is **14.0546, 14.7399, 16.2084**.

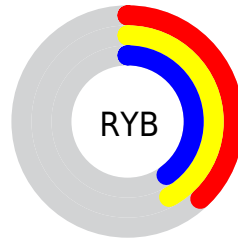
Distribution



Red (40%)

Green (42%)

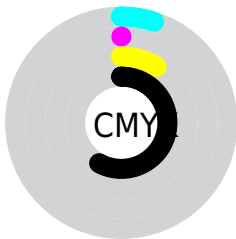
Blue (38%)



Red (38%)

Yellow (42%)

Blue (40%)

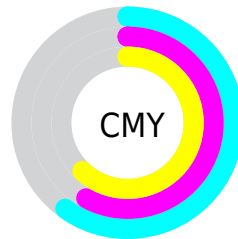


Cyan (5%)

Magenta (0%)

Yellow (9%)

Black (58%)



Cyan (60%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8949, 14.2032, 13.3711 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 12.8949, 14.2032, 13.3711 by changing the saturation by 10% instead.

■ 12.8949, 14.2032,
13.3711

■ 12.8949, 14.2032,
13.3711

203.8942,
218.4913, 224.5732

■ 7.4327, 8.2621,
7.5509

■ 30.7178, 33.4491,
32.6698

■ 3.7829, 4.2631,
3.7253

■ 43.8091, 47.5228,
46.9853

■ 1.5800, 1.8218,
1.4759

■ 60.1743, 65.0761,
64.9697

■ 0.3794, 0.5007,
0.1999

■ 80.1786, 86.4935,
87.0415

■ 0.0000, 0.0000,
0.0000

104.1874,
112.1593, 113.6192

132.5660,

142.4579, 145.1213

165.6799,
177.7738, 181.9665

■ 12.8949, 14.2032,
13.3711

■ 12.8949, 14.2032,
13.3711

■ 11.8425, 13.7149,
10.8908

■ 14.0546, 14.7399,
16.2084

■ 10.8927, 13.2716,
8.7524

■ 15.3236, 15.3244,
19.4151

■ 10.0424, 12.8725,
6.9412

■ 16.7054, 15.9588,
23.0041

■ 9.2877, 12.5158,
5.4410

■ 18.2030, 16.6442,
26.9876

■ 8.6245, 12.1999,
4.2341

■ 19.8192, 17.3819,
31.3770

■ 8.0482, 11.9229,
3.3013

■ 21.5567, 18.1730,
36.1833

■ 7.5540, 11.6827,
2.6209

■ 23.4182, 19.0187,
41.4173

■ 7.1362, 11.4769,
2.1680

■ 25.4063, 19.9201,
47.0891

■ 6.7750, 11.2975,
1.8436

■ 27.5234, 20.8783,
53.2087

Harmonies

Analogous

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



13.3519, 14.2032, 12.8471



12.8949, 14.2032, 13.3711



12.6050, 14.2032, 14.4647

Triad

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



12.8949, 14.2032, 13.3711



13.1458, 14.2032, 18.2368



14.4943, 14.2032, 15.0437

Complementary

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



12.8949, 14.2032, 13.3711



12.4084, 12.4360, 15.6569

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.



14.4358, 14.2032, 16.5101



12.8949, 14.2032, 13.3711



13.6487, 14.2032, 18.4161

Square

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



12.8949, 14.2032, 13.3711



12.7473, 14.2032, 17.2911



14.1232, 14.2032, 17.7665



14.2811, 14.2032, 13.7720

Rectangle

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



12.8949, 14.2032, 13.3711



12.5412, 14.2032, 15.4006



14.1232, 14.2032, 17.7665



14.5059, 14.2032, 15.5293

Sweetspot

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



12.8953, 14.2038, 13.3714



24.3671, 26.0238, 27.0472



12.9729, 13.4921, 13.2299



5.8626, 6.2826, 6.4600



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.8953, 14.2038, 13.3714



22.7048, 25.2543, 23.0205



12.3455, 13.9204, 13.3457



3.1947, 3.5122, 3.3270



8.1792, 13.7117, 2.2155



40.6743, 69.3505, 11.2422

Inverse Universe

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



12.4084, 12.4360, 15.6569



21.6631, 21.4721, 27.9105



12.9924, 12.7371, 15.6843



3.0791, 3.0925, 3.8695



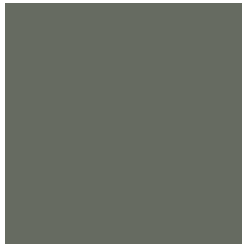
5.0116, 2.2106, 17.0848



24.5341, 10.7474, 87.0076

Previews

White Background



This preview shows how the XYZ color 12.8949, 14.2032, 13.3711 looks on a white background.

Color Contrast Check

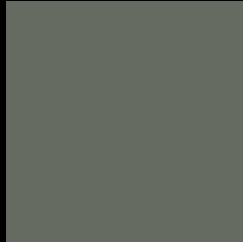
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8949, 14.2032, 13.3711 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

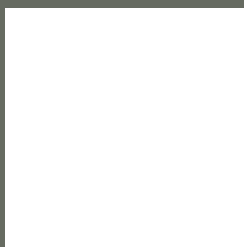
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8949, 14.2032, 13.3711

Background



This preview shows how black text looks on a background with the XYZ color 12.8949, 14.2032, 13.3711.



This preview shows how white text looks on a background with the XYZ color 12.8949, 14.2032,

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

12.8949, 14.2032, 13.3711

Protanopia

13.4696, 14.1989, 13.0971

Deuteranopia

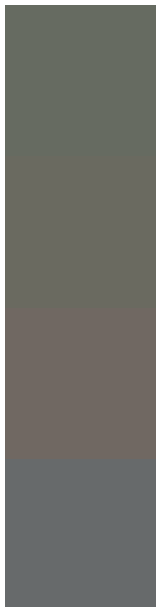
14.4272, 14.2361, 13.5427



Tritanopia

13.7411, 14.2385, 17.6468

Trichromacy



Original Color

12.8949, 14.2032, 13.3711

Protanomaly

13.2092, 14.2168, 13.1142

Deuteranomaly

13.8370, 14.2272, 13.5721

Tritanomaly

13.4014, 14.2532, 15.9547

Monochromacy



Original Color

12.8949, 14.2032, 13.3711

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9941, 13.9263, 14.3151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8949, 14.2032, 13.3711 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(102, 107, 97)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 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(102, 107, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.8949, 14.2032, 13.3711 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(102, 107, 97) }
```


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

```
.border{ border-color:rgb(102, 107, 97) }
```

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

Here you see how a box with a 4 pixel rgb(102, 107, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 97);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8949, 14.2032, 13.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 97) }
```

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

```
.background{ background-color: rgb(102,  
107, 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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