

Converting Colors

XYZ(12.6274, 14.4360, 12.8794)

Have a look what the booklet for
XYZ(12.6274, 14.4360, 12.8794)
contains.

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Color

**XYZ(12.5712, 14.3602,
12.9357)**

Conversions

Conversions Part 1

Format	Color
Hex	626D5F
RGB	98, 109, 95
RGB Percent	38%, 43%, 37%
CMY	0.6157, 0.5725, 0.6274
CMYK	0.10, 0.00, 0.13, 0.57
HSL	107°, 7%, 40%
HSV	107°, 13%, 43%
XYZ	12.5712, 14.3602, 12.9357
YIQ	104.1150, -2.0620, -6.6860

Conversions

Conversions Part 2

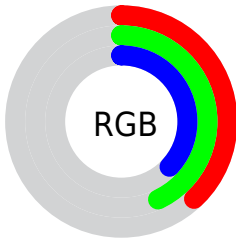
Format	Color
R_{YB}	95, 109, 106
Decimal	6450527
CIE _{Lab}	44.75, -7.08, 6.41
CIE _{LCh}	45, 9.554, 137.834
Yxy	14.3602, 0.3153, 0.3602
Android (android.graphics.Color)	4284640607 (0xFF626D5F)
YUV	104.1150, -4.4937, -5.3629
Hunter-Lab	37.8949, -7.1006, 6.2873

Details

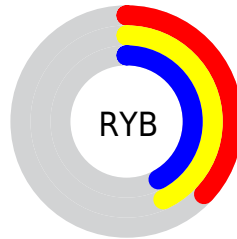
The XYZ color **12.5712, 14.3602, 12.9357** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7970, 12.3531, 16.1787**, and the grayscale version is **13.2013, 13.8888, 15.1249**.

A 20% lighter version of the original color is **30.0761, 33.5755, 31.6836**, and **3.6422, 4.3708, 3.5574** is the 20% darker color. If you saturate the color by 10%, you get **11.2348, 13.7250, 10.4652**, and if you desaturate by 10%, it is **14.0766, 15.0754, 15.7767**.

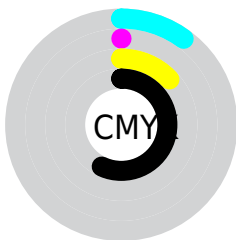
Distribution



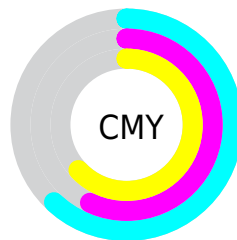
- Red (38%)
- Green (43%)
- Blue (37%)



- Red (37%)
- Yellow (43%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (57%)



- Cyan (62%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5712, 14.3602, 12.9357 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 12.5712, 14.3602, 12.9357 by changing the saturation by 10% instead.

■ 12.5712, 14.3602,
12.9357

■ 12.5712, 14.3602,
12.9357

201.8446,
219.4603, 221.6985

■ 7.2089, 8.3716,
7.2541

■ 30.1392, 33.7268,
31.8777

■ 3.6406, 4.3336,
3.5407

■ 43.0755, 47.8736,
45.9752

■ 1.5009, 1.8619,
1.3769

■ 59.2673, 65.5086,
63.7150

■ 0.3264, 0.5253,
0.1236

■ 79.0798, 87.0162,
85.5157

■ 0.0000, 0.0000,
0.0000

102.8785,
112.7807, 111.7959

131.0286,

143.1867, 142.9741

163.8955,
178.6184, 179.4688

■ 12.5712, 14.3602,
12.9357

■ 12.5712, 14.3602,
12.9357

■ 11.2348, 13.7250,
10.4652

■ 14.0766, 15.0754,
15.7767

■ 10.0604, 13.1652,
8.3491

■ 15.7556, 15.8713,
19.0015

■ 9.0420, 12.6784,
6.5713

■ 17.6139, 16.7510,
22.6242

■ 8.1728, 12.2617,
5.1144

■ 19.6567, 17.7170,
26.6576

■ 7.4456, 11.9117,
3.9591

■ 21.8890, 18.7714,
31.1141

■ 6.8526, 11.6247,
3.0843

■ 24.3154, 19.9165,
36.0054

■ 6.3849, 11.3968,
2.4660

■ 26.9406, 21.1544,
41.3429

■ 6.0320, 11.2232,
2.0723

■ 29.7690, 22.4872,
47.1376

■ 5.8304, 11.1242,
1.8399

■ 32.8049, 23.9168,
53.4000

Harmonies

Analogous

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



13.1965, 14.3602, 11.9059



12.5712, 14.3602, 12.9357



12.2399, 14.3602, 14.7512

Triad

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



12.5712, 14.3602, 12.9357



13.3365, 14.3602, 20.2028



15.1212, 14.3602, 14.3616

Complementary

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



12.5712, 14.3602, 12.9357



12.7970, 12.3531, 16.1787

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.



15.1622, 14.3602, 16.5551



12.5712, 14.3602, 12.9357



14.1116, 14.3602, 20.0732

Square

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



12.5712, 14.3602, 12.9357



12.6703, 14.3602, 19.0267



14.7866, 14.3602, 18.6877



14.6767, 14.3602, 12.6739

Rectangle

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



12.5712, 14.3602, 12.9357



12.2216, 14.3602, 16.2263



14.7866, 14.3602, 18.6877



15.1832, 14.3602, 15.0598

Sweetspot

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



12.5716, 14.3608, 12.9360



24.8470, 26.8235, 27.5679



13.5235, 14.3793, 12.8894



5.7426, 6.2232, 6.3402



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.



12.5716, 14.3608, 12.9360



21.8666, 25.4080, 21.9633



12.4390, 14.2711, 13.8954



3.1190, 3.4732, 3.3234



6.8004, 13.0009, 2.1510



34.0309, 65.9257, 10.9313

Inverse Universe

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



12.7970, 12.3531, 16.1787



22.3427, 21.1657, 28.8150



12.9509, 12.4566, 15.0960



3.1573, 3.1328, 3.8732



7.6594, 3.5756, 17.2087



38.2800, 17.8337, 87.6509

Previews

White Background



This preview shows how the XYZ color 12.5712, 14.3602, 12.9357 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 12.5712, 14.3602, 12.9357 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 12.5712, 14.3602, 12.9357

Background



This preview shows how black text looks on a background with the XYZ color 12.5712, 14.3602, 12.9357.



This preview shows how white text looks on a background with the XYZ color 12.5712, 14.3602,

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

12.5712, 14.3602, 12.9357

Protanopia

13.4578, 14.2085, 12.3891

Deuteranopia

14.4704, 14.2692, 13.0579



Tritanopia

13.6154, 14.3126, 18.2647

Trichromacy



Original Color

12.5712, 14.3602, 12.9357

Protanomaly

13.1183, 14.1804, 12.6354

Deuteranomaly

13.7184, 14.3272, 13.1087

Tritanomaly

13.2200, 14.3074, 16.2522

Monochromacy



Original Color

12.5712, 14.3602, 12.9357

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9825, 14.0724, 14.3439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5712, 14.3602, 12.9357 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(98, 109, 95) looks like.

```
.text, #text, p{  
    color:rgb(98, 109, 95)  
}
```

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(98, 109, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 109, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.5712, 14.3602, 12.9357 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(98, 109, 95) }
```


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

```
.border{ border-color:rgb(98, 109, 95) }
```

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

Here you see how a box with a 4 pixel rgb(98, 109, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 109, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 109, 95);  
box-shadow:4px 4px 4px 4px rgb(98, 109,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5712, 14.3602, 12.9357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 109, 95) }
```

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

```
.background{ background-color: rgb(98, 109,  
95) }
```

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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