

Converting Colors

XYZ(12.5986, 14.6774, 12.5634)

Have a look what the booklet for
XYZ(12.5986, 14.6774, 12.5634)
contains.

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Color

**XYZ(12.5900, 14.7006,
12.5299)**

Conversions

Conversions Part 1

Format	Color
Hex	616F5D
RGB	97, 111, 93
RGB Percent	38%, 44%, 36%
CMY	0.6196, 0.5647, 0.6353
CMYK	0.13, 0.00, 0.16, 0.56
HSL	107°, 9%, 40%
HSV	107°, 16%, 44%
XYZ	12.5900, 14.7006, 12.5299
YIQ	104.7620, -2.5660, -8.5660

Conversions

Conversions Part 2

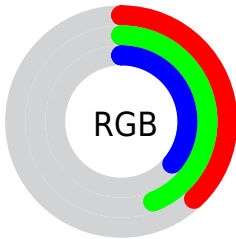
Format	Color
R_{YB}	93, 111, 107
Decimal	6385501
CIE Lab	45.22, -9.01, 8.27
CIE LCh	45, 12.230, 137.431
Yxy	14.7006, 0.3162, 0.3692
Android (android.graphics.Color)	4284575581 (0xFF616F5D)
YUV	104.7620, -5.7987, -6.8073
Hunter-Lab	38.3414, -8.4840, 7.4631

Details

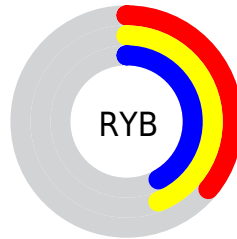
The XYZ color **12.5900, 14.7006, 12.5299** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8476, 12.1027, 16.6986**, and the grayscale version is **13.3789, 14.0757, 15.3284**.

A 20% lighter version of the original color is **30.2679, 34.4735, 31.0454**, and **3.6060, 4.4384, 3.3560** is the 20% darker color. If you saturate the color by 10%, you get **11.2632, 14.0698, 10.0850**, and if you desaturate by 10%, it is **14.0891, 15.4129, 15.3561**.

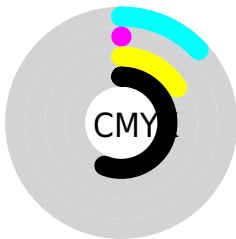
Distribution



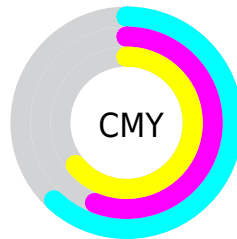
- Red (38%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (16%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5900, 14.7006, 12.5299 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 12.5900, 14.7006, 12.5299 by changing the saturation by 10% instead.

■ 12.5900, 14.7006,
12.5299

■ 12.5900, 14.7006,
12.5299

201.9642,
221.5468, 218.9835

■ 7.2219, 8.6095,
6.9787

■ 30.1728, 34.3271,
31.1353

■ 3.6488, 4.4874,
3.3706

■ 43.1183, 48.6313,
45.0266

■ 1.5054, 1.9498,
1.2868

■ 59.3201, 66.4420,
62.5351

■ 0.3295, 0.5780,
0.0510

■ 79.1439, 88.1436,
84.0793

■ 0.0000, 0.0000,
0.0000

102.9548,
114.1205, 110.0776

131.1182,

144.7570, 140.9488

163.9996,
180.4377, 177.1112

■ 12.5900, 14.7006,
12.5299

■ 12.5900, 14.7006,
12.5299

■ 11.2632, 14.0698,
10.0850

■ 14.0891, 15.4129,
15.3561

■ 10.1014, 13.5157,
8.0041

■ 15.7653, 16.2074,
18.5780

■ 9.0982, 13.0359,
6.2702

■ 17.6247, 17.0874,
22.2103

■ 8.2465, 12.6271,
4.8643

■ 19.6725, 18.0555,
26.2667

■ 7.5388, 12.2858,
3.7657

■ 21.9140, 19.1139,
30.7603

■ 6.9665, 12.0082,
2.9515

■ 24.3541, 20.2649,
35.7037

■ 6.5204, 11.7901,
2.3953

■ 26.9977, 21.5108,
41.1089

■ 6.1847, 11.6245,
2.0384

■ 29.8492, 22.8537,
46.9875

■ 6.0773, 11.5719,
1.9133

■ 32.9133, 24.2956,
53.3505

Harmonies

Analogous

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



13.3986, 14.7006, 11.2633



12.5900, 14.7006, 12.5299



12.1608, 14.7006, 14.8259

Triad

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



12.5900, 14.7006, 12.5299



13.5539, 14.7006, 22.0743



15.9092, 14.7006, 14.3970

Complementary

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



12.5900, 14.7006, 12.5299



12.8476, 12.1027, 16.6986

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.



15.9557, 14.7006, 17.2481



12.5900, 14.7006, 12.5299



14.5626, 14.7006, 21.9233

Square

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



12.5900, 14.7006, 12.5299



12.6990, 14.7006, 20.4636



15.4526, 14.7006, 20.0730



15.3283, 14.7006, 12.2486

Rectangle

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



12.5900, 14.7006, 12.5299



12.1332, 14.7006, 16.7369



15.4526, 14.7006, 20.0730



15.9888, 14.7006, 15.2976

Sweetspot

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



12.5904, 14.7012, 12.5302



25.5366, 27.7445, 28.0854



13.7688, 14.6442, 12.4571



6.0975, 6.6477, 6.6758



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.5904, 14.7012, 12.5302



21.7264, 25.9349, 20.9175



12.3943, 14.5748, 13.6662



3.4080, 3.7957, 3.6264



7.1406, 13.6248, 2.2535



34.9409, 67.5467, 11.1962

Inverse Universe

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



12.8476, 12.1027, 16.6986



22.2683, 20.4568, 29.7047



13.0824, 12.2534, 15.3665



3.4455, 3.4179, 4.2323



7.9179, 3.6912, 18.0168



38.6813, 17.9953, 89.7138

Previews

White Background



This preview shows how the XYZ color 12.5900, 14.7006, 12.5299 looks on a white background.

Color Contrast Check

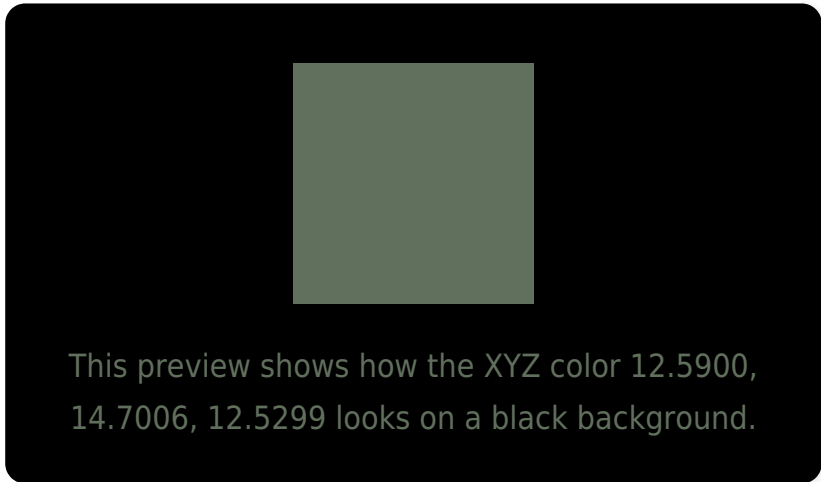
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5900, 14.7006, 12.5299

Background



This preview shows how black text looks on a background with the XYZ color 12.5900, 14.7006, 12.5299.



This preview shows how white text looks on a background with the XYZ color 12.5900, 14.7006,

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

12.5900, 14.7006, 12.5299

Protanopia

13.8281, 14.7155, 12.0091

Deuteranopia

14.9418, 14.6643, 12.8694



Tritanopia

13.8818, 14.7528, 18.6389

Trichromacy



Original Color

12.5900, 14.7006, 12.5299

Protanomaly

13.3577, 14.6236, 12.2438

Deuteranomaly

13.9845, 14.6269, 12.6759

Tritanomaly

13.4309, 14.7293, 16.3225

Monochromacy



Original Color

12.5900, 14.7006, 12.5299

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0861, 14.2798, 14.3785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5900, 14.7006, 12.5299 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(97, 111, 93) looks like.

```
.text, #text, p{  
    color:rgb(97, 111, 93)  
}
```

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(97, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 111, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.5900, 14.7006, 12.5299 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(97, 111, 93) }
```


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

```
.border{ border-color:rgb(97, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(97, 111,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5900, 14.7006, 12.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 111, 93) }
```

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

```
.background{ background-color: rgb(97, 111,  
93) }
```

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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