

Converting Colors

XYZ(12.2900, 14.7561, 14.0829)

Have a look what the booklet for
XYZ(12.2900, 14.7561, 14.0829)
contains.

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Color

**XYZ(12.2628, 14.6629,
13.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7063
RGB	90, 112, 99
RGB Percent	35%, 44%, 39%
CMY	0.6471, 0.5608, 0.6118
CMYK	0.20, 0.00, 0.12, 0.56
HSL	145°, 11%, 40%
HSV	145°, 20%, 44%
XYZ	12.2628, 14.6629, 13.9883
YIQ	103.9400, -8.9390, -8.7070

Conversions

Conversions Part 2

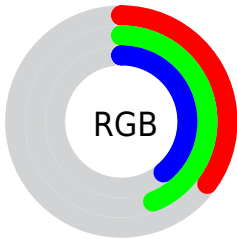
Format	Color
R_{YB}	90, 106, 112
Decimal	5927011
CIE _{Lab}	45.17, -11.01, 4.55
CIE _{LCh}	45, 11.911, 157.559
Yxy	14.6629, 0.2997, 0.3584
Android (android.graphics.Color)	4284117091 (0xFF5A7063)
YUV	103.9400, -2.4354, -12.2254
Hunter-Lab	38.2922, -9.8479, 5.1456

Details

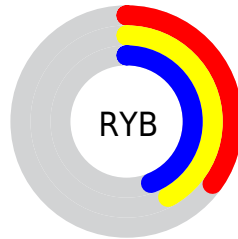
The XYZ color **12.2628, 14.6629, 13.9883** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7870, 11.7368, 14.4242**, and the grayscale version is **13.1504, 13.8353, 15.0666**.

A 20% lighter version of the original color is **29.5957, 34.3284, 33.9203**, and **3.5147, 4.4593, 4.0436** is the 20% darker color. If you saturate the color by 10%, you get **10.9509, 14.0221, 12.3424**, and if you desaturate by 10%, it is **13.7657, 15.4000, 15.7792**.

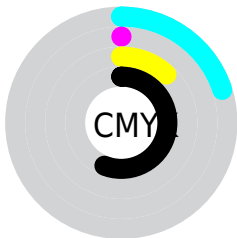
Distribution



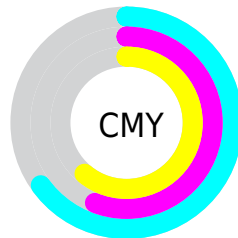
- Red (35%)
- Green (44%)
- Blue (39%)



- Red (35%)
- Yellow (42%)
- Blue (44%)



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (56%)



- Cyan (65%)
- Magenta (56%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2628, 14.6629, 13.9883 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 12.2628, 14.6629, 13.9883 by changing the saturation by 10% instead.

■ 12.2628, 14.6629,
13.9883

■ 12.2628, 14.6629,
13.9883

199.8720,
221.3167, 228.5839

■ 6.9964, 8.5831,
7.9739

■ 29.5856, 34.2607,
33.7851

■ 3.5062, 4.4703,
3.9907

■ 42.3726, 48.5476,
48.4045

■ 1.4267, 1.9400,
1.6202

■ 58.3973, 66.3389,
66.7294

■ 0.2752, 0.5722,
0.3052

■ 78.0249, 88.0191,
89.1782

■ 0.0000, 0.0000,
0.0000

101.6208,
113.9726, 116.1696

129.5504,

144.5838, 148.1219

162.1790,
180.2370, 185.4539

■ 12.2628, 14.6629,
13.9883

■ 12.2628, 14.6629,
13.9883

■ 10.9509, 14.0221,
12.3424

■ 13.7657, 15.4000,
15.7792

■ 9.8208, 13.4716,
10.8369

■ 15.4657, 16.2353,
17.7175

■ 8.8644, 13.0079,
9.4684

■ 17.3704, 17.1729,
19.8070

■ 8.0724, 12.6261,
8.2329

■ 19.4865, 18.2163,
22.0509

■ 7.4348, 12.3213,
7.1263

■ 21.8203, 19.3687,
24.4523

■ 6.9402, 12.0875,
6.1443

■ 24.3780, 20.6332,
27.0142

■ 6.5756, 11.9182,
5.2823

■ 27.1654, 22.0127,
29.7397

■ 6.2936, 11.7892,
4.5339

■ 30.1881, 23.5101,
32.6315

■ 6.2840, 11.7847,
4.5092

■ 33.4517, 25.1281,
35.6926

Harmonies

Analogous

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



12.8167, 14.6629, 12.0498



12.2628, 14.6629, 13.9883



12.1469, 14.6629, 16.6876

Triad

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



12.2628, 14.6629, 13.9883



14.1866, 14.6629, 21.9504



15.4882, 14.6629, 12.8898

Complementary

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



12.2628, 14.6629, 13.9883



12.7870, 11.7368, 14.4242

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.



15.8941, 14.6629, 15.2643



12.2628, 14.6629, 13.9883



15.1200, 14.6629, 20.6488

Square

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



12.2628, 14.6629, 13.9883



13.2280, 14.6629, 21.5051



15.7563, 14.6629, 18.1205



14.6701, 14.6629, 11.4695

Rectangle

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



12.2628, 14.6629, 13.9883



12.3284, 14.6629, 18.6011



15.7563, 14.6629, 18.1205



15.6790, 14.6629, 13.5912

Sweetspot

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



12.2632, 14.6635, 13.9886



25.1829, 27.5442, 28.8762



13.2567, 15.2227, 11.9127



6.0175, 6.6014, 6.8999



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.



12.2632, 14.6635, 13.9886



20.3523, 25.1768, 23.1005



12.8148, 14.8841, 16.8931



3.3964, 3.7837, 3.8936



7.2534, 13.6189, 5.1549



35.7257, 67.6789, 23.5385

Inverse Universe

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



12.7870, 11.7368, 14.4242



21.4674, 18.9452, 24.0267



12.2793, 11.5337, 11.7505



3.4594, 3.4315, 3.9461



8.8567, 4.4350, 6.3211



43.6829, 21.9185, 29.1921

Previews

White Background



This preview shows how the XYZ color 12.2628, 14.6629, 13.9883 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 12.2628, 14.6629, 13.9883 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 12.2628, 14.6629, 13.9883

Background



This preview shows how black text looks on a background with the XYZ color 12.2628, 14.6629, 13.9883.



This preview shows how white text looks on a background with the XYZ color 12.2628, 14.6629,

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

12.2628, 14.6629, 13.9883

Protanopia

13.8209, 14.5321, 13.1429

Deuteranopia

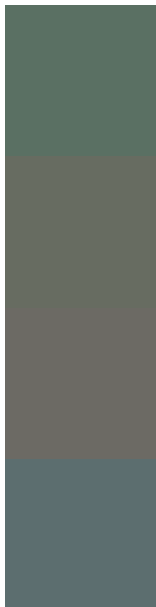
14.8070, 14.5620, 14.3423



Tritanopia

13.2529, 14.5724, 19.2538

Trichromacy



Original Color

12.2628, 14.6629, 13.9883

Protanomaly

13.1137, 14.4718, 13.4114

Deuteranomaly

13.6386, 14.4163, 14.1204

Tritanomaly

12.8588, 14.5749, 17.1744

Monochromacy



Original Color

12.2628, 14.6629, 13.9883

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8016, 14.1273, 14.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2628, 14.6629, 13.9883 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(90, 112, 99) looks like.

```
.text, #text, p{  
    color:rgb(90, 112, 99)  
}
```

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(90, 112, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.2628, 14.6629, 13.9883 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(90, 112, 99) }
```


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

```
.border{ border-color:rgb(90, 112, 99) }
```

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

Here you see how a box with a 4 pixel rgb(90, 112, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 99);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2628, 14.6629, 13.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 99) }
```

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

```
.background{ background-color: rgb(90, 112,  
99) }
```

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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