

Converting Colors

XYZ(12.8397, 14.3049, 17.8386)

Have a look what the booklet for
XYZ(12.8397, 14.3049, 17.8386)
contains.

XYZ(12.7568, 14.1927, 17.6899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.7568, 14.1927,
17.6899)**

Conversions

Conversions Part 1

Format	Color
Hex	5C6C71
RGB	92, 108, 113
RGB Percent	36%, 42%, 44%
CMY	0.6392, 0.5765, 0.5569
CMYK	0.19, 0.04, 0.00, 0.56
HSL	194°, 10%, 40%
HSV	194°, 19%, 44%
XYZ	12.7568, 14.1927, 17.6899
YIQ	103.7860, -11.1410, -1.8370

Conversions

Conversions Part 2

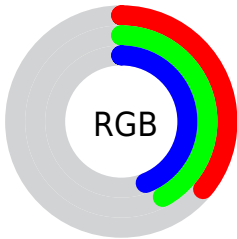
Format	Color
R_{YB}	92, 101, 113
Decimal	6057073
CIE Lab	44.51, -4.81, -4.81
CIE LCh	45, 6.802, 224.976
Yxy	14.1927, 0.2858, 0.3179
Android (android.graphics.Color)	4284247153 (0xFF5C6C71)
YUV	103.7860, 4.5425, -10.3363
Hunter-Lab	37.6732, -5.4849, -1.4691

Details

The XYZ color **12.7568, 14.1927, 17.6899** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0165, 12.8327, 11.9163**, and the grayscale version is **13.0916, 13.7734, 14.9992**.

A 20% lighter version of the original color is **30.3450, 33.2637, 40.4185**, and **3.7496, 4.3000, 5.6334** is the 20% darker color. If you saturate the color by 10%, you get **11.4319, 13.0954, 17.5482**, and if you desaturate by 10%, it is **14.2597, 15.3955, 17.8431**.

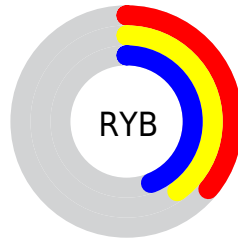
Distribution



Red (36%)

Green (42%)

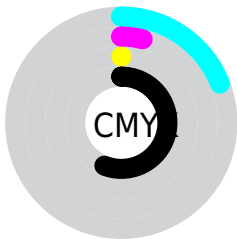
Blue (44%)



Red (36%)

Yellow (40%)

Blue (44%)

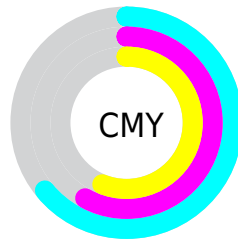


Cyan (19%)

Magenta (4%)

Yellow (0%)

Black (56%)



Cyan (64%)

Magenta (58%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7568, 14.1927, 17.6899 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 12.7568, 14.1927, 17.6899 by changing the saturation by 10% instead.

■ 12.7568, 14.1927,
17.6899

■ 12.7568, 14.1927,
17.6899

203.0224,
218.4263, 251.2945

■ 7.3371, 8.2548,
10.5604

■ 30.4712, 33.4306,
40.3150

■ 3.7220, 4.2584,
5.6617

■ 43.4967, 47.4993,
56.6477

■ 1.5461, 1.8191,
2.5750

■ 59.7881, 65.0472,
76.8853

■ 0.3569, 0.4991,
0.8795

■ 79.7109, 86.4585,
101.4462

■ 0.0000, 0.0000,
0.0000

103.6303,
112.1176, 130.7490

131.9118,

142.4091, 165.2123

164.9207,
177.7172, 205.2546

■ 12.7568, 14.1927,
17.6899

■ 12.7568, 14.1927,
17.6899

■ 11.4319, 13.0954,
17.5482

■ 14.2597, 15.3955,
17.8431

■ 10.2763, 12.0979,
17.4165

■ 15.9463, 16.7057,
18.0071

■ 9.2823, 11.1965,
17.2949

■ 17.8239, 18.1276,
18.1826

■ 8.4411, 10.3865,
17.1829

■ 19.8986, 19.6644,
18.3699

■ 7.7431, 9.6629,
17.0800

■ 22.1765, 21.3194,
18.5693

■ 7.1776, 9.0199,
16.9857

■ 24.6633, 23.0957,
18.7810

■ 6.7322, 8.4511,
16.8994

■ 27.3647, 24.9963,
19.0055

■ 6.3675, 7.9361,
16.8192

■ 30.2858, 27.0238,
19.2429

■ 6.3169, 7.8647,
16.8081

■ 33.4318, 29.1812,
19.4935

Harmonies

Analogous

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



12.4956, 14.1927, 16.2478



12.7568, 14.1927, 17.6899



13.2180, 14.1927, 18.5605

Triad

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



12.7568, 14.1927, 17.6899



14.5350, 14.1927, 16.2503



13.2188, 14.1927, 12.7134

Complementary

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



12.7568, 14.1927, 17.6899



13.0165, 12.8327, 11.9163

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.



13.7652, 14.1927, 12.7140



12.7568, 14.1927, 17.6899



14.5352, 14.1927, 14.6854

Square

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



12.7568, 14.1927, 17.6899



14.2496, 14.1927, 17.6919



14.2502, 14.1927, 13.4139



12.7574, 14.1927, 13.4123

Rectangle

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



12.7568, 14.1927, 17.6899



13.5815, 14.1927, 18.6646



14.2502, 14.1927, 13.4139



13.3984, 14.1927, 12.6335

Sweetspot

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



12.7572, 14.1933, 17.6902



26.2354, 28.1186, 32.0202



12.4720, 14.9470, 13.5127



6.0366, 6.4788, 7.4021



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.



12.7572, 14.1933, 17.6902



21.8562, 24.6061, 31.5730



11.7248, 12.1285, 17.3461



3.4110, 3.6872, 4.2861



7.1500, 8.8902, 19.0607



34.9281, 42.9081, 94.7203

Inverse Universe

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



13.3443, 12.2479, 15.8488



23.1119, 20.5288, 27.6155



14.0415, 14.8826, 12.2579



3.4821, 3.4406, 4.0655



9.6273, 4.7433, 10.3792



47.6101, 23.4894, 49.8722

Previews

White Background



This preview shows how the XYZ color 12.7568, 14.1927, 17.6899 looks on a white background.

Color Contrast Check

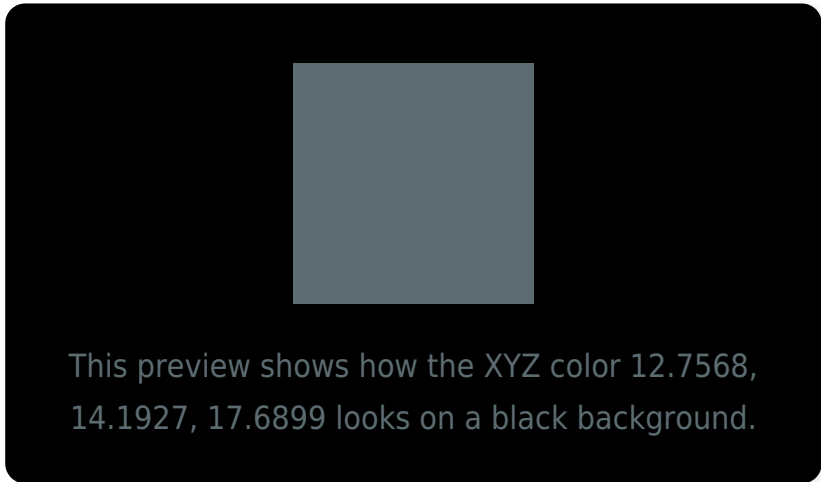
Large Text (above 18pt) WCAG AA ✓ Pass

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

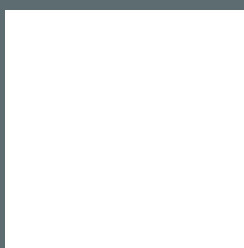
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7568, 14.1927, 17.6899

Background



This preview shows how black text looks on a background with the XYZ color 12.7568, 14.1927, 17.6899.



This preview shows how white text looks on a background with the XYZ color 12.7568, 14.1927,

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

12.7568, 14.1927, 17.6899

Protanopia

13.6453, 14.0516, 17.0320

Deuteranopia

14.3442, 14.0972, 17.8846



Tritanopia

13.0291, 14.3132, 18.5990

Trichromacy



Original Color

12.7568, 14.1927, 17.6899

Protanomaly

13.2317, 13.9823, 17.3307

Deuteranomaly

13.6965, 14.0586, 17.9113

Tritanomaly

12.9713, 14.2901, 18.2943

Monochromacy



Original Color

12.7568, 14.1927, 17.6899

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9609, 13.8740, 15.9048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7568, 14.1927, 17.6899 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(92, 108, 113) looks like.

```
.text, #text, p{  
    color:rgb(92, 108, 113)  
}
```

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(92, 108, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 108, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.7568, 14.1927, 17.6899 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(92, 108, 113) }
```


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

```
.border{ border-color:rgb(92, 108, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 108, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 108, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 108, 113);  
box-shadow:4px 4px 4px 4px rgb(92, 108,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7568, 14.1927, 17.6899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 108, 113) }
```

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

```
.background{ background-color: rgb(92, 108,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor