

Converting Colors

XYZ(12.7680, 14.0367, 15.5560)

Have a look what the booklet for
XYZ(12.7680, 14.0367, 15.5560)
contains.

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Color

**XYZ(12.7890, 14.0974,
15.6827)**

Conversions

Conversions Part 1

Format	Color
Hex	616B6A
RGB	97, 107, 106
RGB Percent	38%, 42%, 42%
CMY	0.6196, 0.5804, 0.5843
CMYK	0.09, 0.00, 0.01, 0.58
HSL	174°, 5%, 40%
HSV	174°, 9%, 42%
XYZ	12.7890, 14.0974, 15.6827
YIQ	103.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

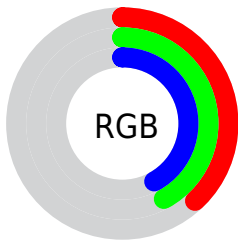
Format	Color
R_{YB}	97, 102, 107
Decimal	6384490
CIE Lab	44.37, -4.01, -0.75
CIE LCh	44, 4.081, 190.554
Yxy	14.0974, 0.3004, 0.3312
Android (android.graphics.Color)	4284574570 (0xFF616B6A)
YUV	103.8960, 1.0373, -6.0478
Hunter-Lab	37.5465, -4.9061, 1.5179

Details

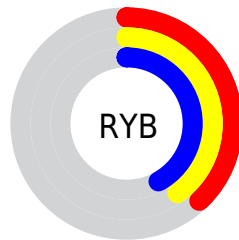
The XYZ color **12.7890, 14.0974, 15.6827** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5432, 12.5574, 13.3187**, and the grayscale version is **13.1290, 13.8128, 15.0421**.

A 20% lighter version of the original color is **30.5254, 33.1839, 36.6946**, and **3.7705, 4.2513, 4.7595** is the 20% darker color. If you saturate the color by 10%, you get **11.6696, 13.5271, 15.3415**, and if you desaturate by 10%, it is **14.0637, 14.7484, 16.0354**.

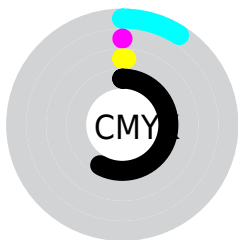
Distribution



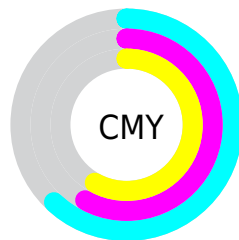
- Red (38%)
- Green (42%)
- Blue (42%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7890, 14.0974, 15.6827 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 12.7890, 14.0974, 15.6827 by changing the saturation by 10% instead.

■ 12.7890, 14.0974,
15.6827

■ 12.7890, 14.0974,
15.6827

203.2260,
217.8359, 239.2435

■ 7.3594, 8.1884,
9.1480

■ 30.5287, 33.2617,
36.8056

■ 3.7362, 4.2158,
4.7397

■ 43.5696, 47.2859,
52.2308

■ 1.5540, 1.7950,
2.0393

■ 59.8783, 64.7840,
71.4566

■ 0.3621, 0.4840,
0.5793

■ 79.8201, 86.1403,
94.9016

■ 0.0000, 0.0000,
0.0000

103.7604,
111.7392, 122.9842

132.0646,

141.9652, 156.1230

165.0980,
177.2026, 194.7366

■ 12.7890, 14.0974,
15.6827

■ 12.7890, 14.0974,
15.6827

■ 11.6696, 13.5271,
15.3415

■ 14.0637, 14.7484,
16.0354

■ 10.6983, 13.0327,
15.0105

■ 15.4983, 15.4814,
16.3990

■ 9.8688, 12.6113,
14.6897

■ 17.0987, 16.2998,
16.7740

■ 9.1742, 12.2594,
14.3789

■ 18.8700, 17.2063,
17.1607

■ 8.6068, 11.9730,
14.0776

■ 20.8174, 18.2033,
17.5593

■ 8.1583, 11.7478,
13.7855

■ 22.9455, 19.2935,
17.9700

■ 7.8193, 11.5789,
13.5020

■ 25.2589, 20.4792,
18.3932

■ 7.5790, 11.4609,
13.2267

■ 27.7622, 21.7626,
18.8289

■ 7.3944, 11.3715,
12.9576

■ 30.4595, 23.1460,
19.2775

Harmonies

Analogous

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



12.8135, 14.0974, 14.7565



12.7890, 14.0974, 15.6827



12.9259, 14.0974, 16.5535

Triad

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



12.7890, 14.0974, 15.6827



13.8132, 14.0974, 16.7625



13.6101, 14.0974, 13.7096

Complementary

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



12.7890, 14.0974, 15.6827



12.5432, 12.5574, 13.3187

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.



13.8838, 14.0974, 14.2057



12.7890, 14.0974, 15.6827



14.0024, 14.0974, 15.9585

Square

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



12.7890, 14.0974, 15.6827



13.5149, 14.0974, 17.1936



14.0284, 14.0974, 15.0214



13.2840, 14.0974, 13.6425

Rectangle

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



12.7890, 14.0974, 15.6827



13.0917, 14.0974, 16.9759



14.0284, 14.0974, 15.0214



13.7114, 14.0974, 13.8307

Sweetspot

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



12.7894, 14.0980, 15.6830



24.2959, 25.9555, 28.4741



12.4708, 13.9850, 13.3516



5.8418, 6.2625, 6.8813



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.



12.7894, 14.0980, 15.6830



22.4849, 25.0314, 27.9596



12.4509, 13.3371, 15.8287



3.1694, 3.4869, 3.8758



8.9746, 13.8239, 15.7090



45.5476, 70.3661, 79.0874

Inverse Universe

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



12.5432, 12.5574, 13.3187



21.9582, 21.7354, 22.9013



12.8591, 13.2644, 13.1921



3.1109, 3.1213, 3.3146



7.4413, 3.8287, 0.6866



37.7568, 19.4446, 2.6559

Previews

White Background



This preview shows how the XYZ color 12.7890, 14.0974, 15.6827 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 12.7890, 14.0974, 15.6827 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

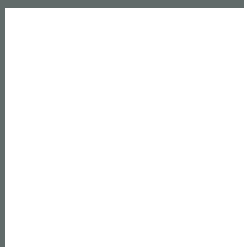
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7890, 14.0974, 15.6827

Background



This preview shows how black text looks on a background with the XYZ color 12.7890, 14.0974, 15.6827.



This preview shows how white text looks on a background with the XYZ color 12.7890, 14.0974,

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

12.7890, 14.0974, 15.6827

Protanopia

13.5124, 14.0259, 15.0918

Deuteranopia

14.3446, 14.1417, 15.8835



Tritanopia

13.2283, 14.1196, 17.9477

Trichromacy



Original Color

12.7890, 14.0974, 15.6827

Protanomaly

13.1949, 14.0066, 15.3727

Deuteranomaly

13.7885, 14.1503, 15.9145

Tritanomaly

13.0603, 14.0524, 17.0630

Monochromacy



Original Color

12.7890, 14.0974, 15.6827

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9682, 13.8898, 15.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7890, 14.0974, 15.6827 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, 107, 106) looks like.

```
.text, #text, p{  
    color:rgb(97, 107, 106)  
}
```

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, 107, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 107, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.7890, 14.0974, 15.6827 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, 107, 106) }
```


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

```
.border{ border-color:rgb(97, 107, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 107, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 107, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 107, 106);  
box-shadow:4px 4px 4px 4px rgb(97, 107,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7890, 14.0974, 15.6827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 107, 106) }
```

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

```
.background{ background-color: rgb(97, 107,  
106) }
```

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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