

Converting Colors

XYZ(12.7416, 17.5961, 27.6802)

Have a look what the booklet for
XYZ(12.7416, 17.5961, 27.6802)
contains.

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Color

**XYZ(12.7650, 17.6873,
27.5522)**

Conversions

Conversions Part 1

Format	Color
Hex	0E818C
RGB	14, 129, 140
RGB Percent	5%, 51%, 55%
CMY	0.9450, 0.4941, 0.4510
CMYK	0.90, 0.08, 0.00, 0.45
HSL	185°, 82%, 30%
HSV	185°, 90%, 55%
XYZ	12.7650, 17.6873, 27.5522
YIQ	95.8690, -72.0710, -20.9590

Conversions

Conversions Part 2

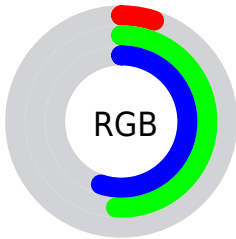
Format	Color
RYB	14, 74, 140
Decimal	950668
CIELab	49.11, -24.61, -14.23
CIELCh	49, 28.433, 210.043
Yxy	17.6873, 0.2201, 0.3049
Android (android.graphics.Color)	4279140748 (0xFF0E818C)
YUV	95.8690, 21.7566, -71.7991
Hunter-Lab	42.0563, -19.4198, -9.4031

Details

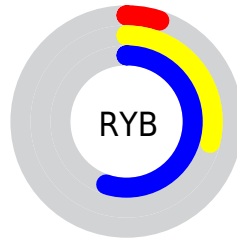
The XYZ color **12.7650, 17.6873, 27.5522** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2428, 6.3033, 1.0402**, and the grayscale version is **11.0494, 11.6249, 12.6595**.

A 20% lighter version of the original color is **30.4901, 39.4256, 57.0419**, and **4.6414, 6.3301, 10.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.4243, 17.2744, 27.4908**, and if you desaturate by 10%, it is **13.2255, 18.1655, 27.6206**.

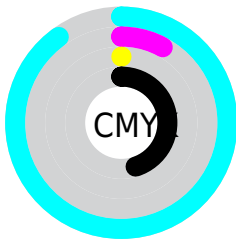
Distribution



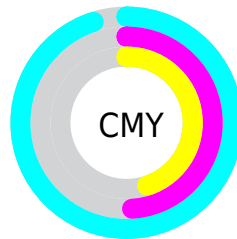
- Red (5%)
- Green (51%)
- Blue (55%)



- Red (5%)
- Yellow (29%)
- Blue (55%)



- Cyan (90%)
- Magenta (8%)
- Yellow (0%)
- Black (45%)



- Cyan (95%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7650, 17.6873, 27.5522 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 12.7650, 17.6873, 27.5522 by changing the saturation by 10% instead.

■ 12.7650, 17.6873,
27.5522

■ 12.7650, 17.6873,
27.5522

203.0742,
239.1026, 304.1653

■ 7.3428, 10.7257,
17.7523

■ 30.4859, 39.5038,
56.7832

■ 3.7256, 5.8827,
10.6047

■ 43.5152, 55.1274,
77.0513

■ 1.5481, 2.7739,
5.6909

■ 59.8111, 74.4073,
101.6459

■ 0.3582, 1.0149,
2.5923

■ 79.7387, 97.7277,
130.9856

■ 0.0000, 0.0000,
0.8885

■ 103.6635,
125.4730, 165.4888

■ 0.0000, 0.0000,
0.0000

■ 131.9507,

158.0276, 205.5741

164.9659,
195.7760, 251.6601

■ 12.7650, 17.6873,
27.5522

■ 12.7650, 17.6873,
27.5522

■ 12.4243, 17.2744,
27.4908

■ 13.2255, 18.1655,
27.6206

■ 12.4239, 17.2739,
27.4907

■ 13.8657, 18.7389,
27.6975

■ 14.7078, 19.4192,
27.7844

■ 15.7708, 20.2163,
27.8823

■ 17.0713, 21.1387,
27.9918

■ 18.6242, 22.1942,
28.1136

■ 20.4433, 23.3898,
28.2485

■ 22.5415, 24.7322,
28.3971

■ 24.9305, 26.2275,
28.5598

Harmonies

Analogous

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



12.2022, 17.6873, 19.2694



12.7650, 17.6873, 27.5522



14.3869, 17.6873, 34.9211

Triad

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



12.7650, 17.6873, 27.5522



21.6377, 17.6873, 27.5281



16.8074, 17.6873, 8.0191

Complementary

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



12.7650, 17.6873, 27.5522



11.2428, 6.3033, 1.0402

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.



19.4938, 17.6873, 9.1593



12.7650, 17.6873, 27.5522



22.4555, 17.6873, 19.2475

Square

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



12.7650, 17.6873, 27.5522



19.5011, 17.6873, 34.9048



21.6332, 17.6873, 12.8224



14.3809, 17.6873, 9.1660

Rectangle

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



12.7650, 17.6873, 27.5522



15.9432, 17.6873, 37.5643



21.6332, 17.6873, 12.8224



17.7102, 17.6873, 8.1427

Sweetspot

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



12.7656, 17.6879, 27.5526



33.5665, 39.6155, 49.6204



9.7299, 18.9181, 4.0313



7.5283, 8.9911, 11.4181



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.7656, 17.6879, 27.5526



21.8446, 30.3362, 48.4471



6.8933, 5.9434, 25.5952



5.1361, 5.6152, 6.4190



11.0462, 15.3628, 24.4288



0.0785, 0.1122, 0.1640

Inverse Universe

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



14.9352, 7.4751, 21.4251



25.8815, 12.5553, 36.7727



14.3442, 12.5062, 2.0740



5.2153, 5.1216, 6.2224



13.0624, 6.3351, 18.6309



0.0893, 0.0431, 0.1373

Previews

White Background



This preview shows how the XYZ color 12.7650, 17.6873, 27.5522 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 12.7650, 17.6873, 27.5522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

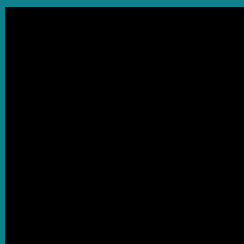
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7650, 17.6873, 27.5522

Background



This preview shows how black text looks on a background with the XYZ color 12.7650, 17.6873, 27.5522.

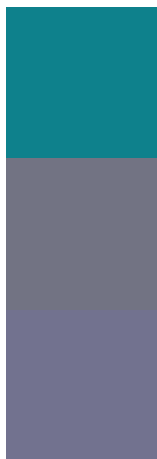


This preview shows how white text looks on a background with the XYZ color 12.7650, 17.6873,

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

12.7650, 17.6873, 27.5522

Protanopia

17.1669, 17.4776, 23.9414

Deuteranopia

17.9147, 17.5952, 28.4386



Tritanopia

12.7499, 17.6795, 27.5514

Trichromacy



Original Color

12.7650, 17.6873, 27.5522

Protanomaly

14.1614, 16.7739, 25.0456

Deuteranomaly

14.6212, 16.7663, 28.0568

Tritanomaly

12.7499, 17.6795, 27.5514

Monochromacy



Original Color

12.7650, 17.6873, 27.5522

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5340, 13.0532, 17.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7650, 17.6873, 27.5522 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(14, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(14, 129, 140)  
}
```

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(14, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 129, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.7650, 17.6873, 27.5522 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(14, 129, 140) }
```


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

```
.border{ border-color:rgb(14, 129, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 129, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 129, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 129, 140);  
box-shadow:4px 4px 4px 4px rgb(14, 129,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7650, 17.6873, 27.5522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 129, 140) }
```

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

```
.background{ background-color: rgb(14, 129,  
140) }
```

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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