

Converting Colors

XYZ(10.7847, 15.5632, 21.2364)

Have a look what the booklet for
XYZ(10.7847, 15.5632, 21.2364)
contains.

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Color

**XYZ(10.7158, 15.4425,
21.1548)**

Conversions

Conversions Part 1

Format	Color
Hex	0E7A7B
RGB	14, 122, 123
RGB Percent	5%, 48%, 48%
CMY	0.9450, 0.5216, 0.5176
CMYK	0.89, 0.01, 0.00, 0.52
HSL	181°, 80%, 27%
HSV	181°, 89%, 48%
XYZ	10.7158, 15.4425, 21.1548
YIQ	89.8220, -64.6890, -22.5850

Conversions

Conversions Part 2

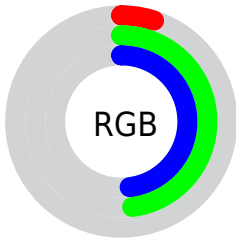
Format	Color
RYB	14, 68, 123
Decimal	948859
CIELab	46.23, -26.71, -8.54
CIELCh	46, 28.037, 197.725
Yxy	15.4425, 0.2265, 0.3264
Android (android.graphics.Color)	4279138939 (0xFF0E7A7B)
YUV	89.8220, 16.3568, -66.4959
Hunter-Lab	39.2969, -20.0949, -4.4098

Details

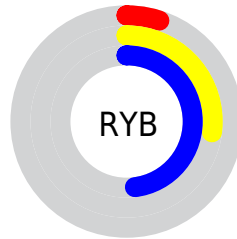
The XYZ color **10.7158, 15.4425, 21.1548** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.4188, 4.5847, 0.8571**, and the grayscale version is **9.6543, 10.1571, 11.0611**.

A 20% lighter version of the original color is **26.7240, 35.6399, 46.0281**, and **3.6186, 5.2595, 7.3030** is the 20% darker color. If you saturate the color by 10%, you get **10.5426, 15.3330, 21.1431**, and if you desaturate by 10%, it is **10.9829, 15.6011, 21.1716**.

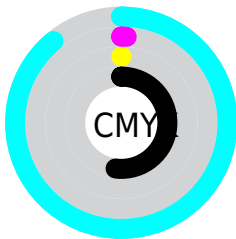
Distribution



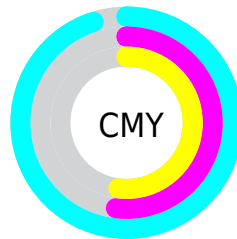
- Red (5%)
- Green (48%)
- Blue (48%)



- Red (5%)
- Yellow (27%)
- Blue (48%)



- Cyan (89%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)



- Cyan (95%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7158, 15.4425, 21.1548 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 10.7158, 15.4425, 21.1548 by changing the saturation by 10% instead.

10.7158, 15.4425,
21.1548

10.7158, 15.4425,
21.1548

189.6561,
226.0292, 270.9080

5.9419, 9.1305,
13.0449

26.7711, 35.6276,
46.2292

2.8501, 4.8264,
7.3284

38.7832, 50.2695,
64.0306

1.0750, 2.1458,
3.5867

53.9388, 68.4569,
85.8997

0.0041, 0.6902,
1.4015

72.6032, 90.5741,
112.2550

0.0000, 0.0000,
0.1429

95.1417, 117.0055,
143.5149

0.0000, 0.0000,
0.0000

121.9198,

148.1356, 180.0980

153.3028,
184.3487, 222.4229

■ 10.7158, 15.4425,
21.1548

■ 10.7158, 15.4425,
21.1548

■ 10.5426, 15.3330,
21.1431

■ 10.9829, 15.6011,
21.1716

■ 10.5192, 15.3181,
21.1414

■ 11.3848, 15.8289,
21.1944

■ 11.9374, 16.1344,
21.2242

■ 12.6540, 16.5244,
21.2618

■ 13.5464, 17.0051,
21.3075

■ 14.6252, 17.5819,
21.3620

■ 15.9004, 18.2600,
21.4257

■ 17.3811, 19.0441,
21.4990

■ 19.0759, 19.9386,
21.5823

Harmonies

Analogous

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



10.6242, 15.4425, 14.1648



10.7158, 15.4425, 21.1548



11.7943, 15.4425, 28.5740

Triad

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



10.7158, 15.4425, 21.1548



18.3531, 15.4425, 27.3304



15.6780, 15.4425, 6.9435

Complementary

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



10.7158, 15.4425, 21.1548



8.4188, 4.5847, 0.8571

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.



17.9963, 15.4425, 8.8257



10.7158, 15.4425, 21.1548



19.6496, 15.4425, 19.7750

Square

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



10.7158, 15.4425, 21.1548



16.1239, 15.4425, 32.7531



19.5123, 15.4425, 13.1122



13.3206, 15.4425, 7.1250

Rectangle

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



10.7158, 15.4425, 21.1548



13.0013, 15.4425, 32.1981



19.5123, 15.4425, 13.1122



16.4921, 15.4425, 7.3288

Sweetspot

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



10.7163, 15.4431, 21.1552



26.3899, 31.5911, 38.2634



7.3437, 14.2913, 2.7874



6.0795, 7.3678, 9.0048



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.7163, 15.4431, 21.1552



18.8309, 27.4182, 37.8564



5.8544, 5.7194, 19.5346



4.1041, 4.5064, 5.0967



10.8817, 15.8458, 21.8703



51.8700, 75.5127, 104.3114

Inverse Universe

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



11.8387, 5.9306, 18.9337



20.9009, 10.0501, 33.7200



10.3458, 8.4386, 1.4994



4.1530, 4.0769, 5.0033



12.0759, 5.8065, 19.4884



57.5847, 27.6902, 92.8641

Previews

White Background



This preview shows how the XYZ color 10.7158, 15.4425, 21.1548 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 10.7158, 15.4425, 21.1548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

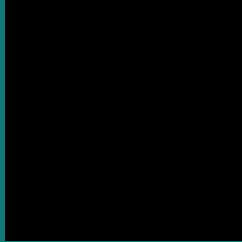
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7158, 15.4425, 21.1548

Background



This preview shows how black text looks on a background with the XYZ color 10.7158, 15.4425, 21.1548.



This preview shows how white text looks on a background with the XYZ color 10.7158, 15.4425,

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

10.7158, 15.4425, 21.1548

Protanopia

14.7637, 15.2141, 18.3781

Deuteranopia

15.4755, 15.1939, 21.8557



Tritanopia

11.3350, 15.5201, 23.8710

Trichromacy



Original Color

10.7158, 15.4425, 21.1548

Protanomaly

11.9992, 14.5741, 19.3202

Deuteranomaly

12.4763, 14.6055, 21.5636

Tritanomaly

11.0429, 15.3927, 22.8111

Monochromacy



Original Color

10.7158, 15.4425, 21.1548

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.1363, 11.4862, 14.3059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7158, 15.4425, 21.1548 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, 122, 123)` looks like.

```
.text, #text, p{  
    color:rgb(14, 122, 123)  
}
```

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, 122, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 122, 123) }
```

Border

The CSS property to change the border of an element to XYZ 10.7158, 15.4425, 21.1548 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, 122, 123) }
```


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

```
.border{ border-color:rgb(14, 122, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 122, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 122, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 122, 123);  
box-shadow:4px 4px 4px 4px rgb(14, 122,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7158, 15.4425, 21.1548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 122, 123) }
```

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

```
.background{ background-color: rgb(14, 122,  
123) }
```

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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