

Converting Colors

XYZ(10.7175, 13.8732, 17.7120)

Have a look what the booklet for
XYZ(10.7175, 13.8732, 17.7120)
contains.

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Color

**XYZ(10.7492, 13.9632,
17.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	3C7171
RGB	60, 113, 113
RGB Percent	24%, 44%, 44%
CMY	0.7647, 0.5569, 0.5569
CMYK	0.47, 0.00, 0.00, 0.56
HSL	180°, 31%, 34%
HSV	180°, 47%, 44%
XYZ	10.7492, 13.9632, 17.7514
YIQ	97.1530, -31.5880, -11.2360

Conversions

Conversions Part 2

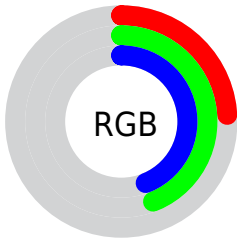
Format	Color
R_{YB}	60, 87, 113
Decimal	3961201
CIE _{Lab}	44.18, -17.60, -5.50
CIE _{LCh}	44, 18.440, 197.351
Yxy	13.9632, 0.2531, 0.3288
Android (android.graphics.Color)	4282151281 (0xFF3C7171)
YUV	97.1530, 7.8126, -32.5832
Hunter-Lab	37.3674, -14.0451, -2.0086

Details

The XYZ color **10.7492, 13.9632, 17.7514** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.2420, 7.0690, 5.1527**, and the grayscale version is **11.3871, 11.9802, 13.0464**.

A 20% lighter version of the original color is **26.8022, 33.0064, 40.5556**, and **2.8695, 4.1752, 5.6557** is the 20% darker color. If you saturate the color by 10%, you get **10.1383, 13.6486, 17.7230**, and if you desaturate by 10%, it is **11.5068, 14.3541, 17.7873**.

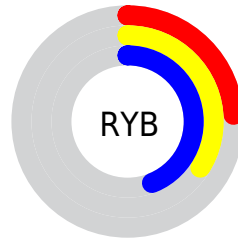
Distribution



Red (24%)

Green (44%)

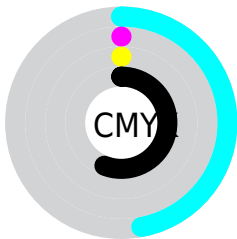
Blue (44%)



Red (24%)

Yellow (34%)

Blue (44%)

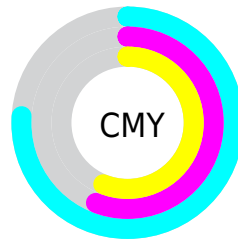


Cyan (47%)

Magenta (0%)

Yellow (0%)

Black (56%)



Cyan (76%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7492, 13.9632, 17.7514 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 10.7492, 13.9632, 17.7514 by changing the saturation by 10% instead.

10.7492, 13.9632,
17.7514

10.7492, 13.9632,
17.7514

189.8828,
217.0018, 251.6549

5.9645, 8.0951,
10.6041

26.8325, 33.0237,
40.4215

2.8640, 4.1558,
5.6905

38.8619, 46.9849,
56.7813

1.0822, 1.7611,
2.5921

54.0368, 64.4126,
77.0490

0.0102, 0.4628,
0.8884

72.7227, 85.6911,
101.6431

0.0000, 0.0000,
0.0000

95.2849, 111.2049,
130.9822

122.0887,

141.3383, 165.4849

153.4996,
176.4758, 205.5696

■ 10.7492, 13.9632,
17.7514

■ 10.7492, 13.9632,
17.7514

■ 10.1383, 13.6486,
17.7230

■ 11.5068, 14.3541,
17.7873

■ 9.6634, 13.4038,
17.7007

■ 12.4183, 14.8240,
17.8300

■ 9.3146, 13.2240,
17.6843

■ 13.4922, 15.3776,
17.8804

■ 9.0798, 13.1029,
17.6732

■ 14.7356, 16.0186,
17.9387

■ 8.9298, 13.0256,
17.6661

■ 16.1556, 16.7506,
18.0052

■ 8.8860, 13.0030,
17.6640

■ 17.7586, 17.5770,
18.0803

■ 19.5508, 18.5009,
18.1643

■ 21.5382, 19.5254,
18.2574

■ 23.7263, 20.6535,
18.3599

Harmonies

Analogous

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



10.6971, 13.9632, 13.4968



10.7492, 13.9632, 17.7514



11.4449, 13.9632, 21.9790

Triad

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



10.7492, 13.9632, 17.7514



15.4642, 13.9632, 21.3831



13.9011, 13.9632, 8.5866

Complementary

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



10.7492, 13.9632, 17.7514



9.2420, 7.0690, 5.1527

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.



15.2830, 13.9632, 9.9868



10.7492, 13.9632, 17.7514



16.2293, 13.9632, 17.0485

Square

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



10.7492, 13.9632, 17.7514



14.1337, 13.9632, 24.3273



16.1606, 13.9632, 12.9120



12.4453, 13.9632, 8.7047

Rectangle

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



10.7492, 13.9632, 17.7514



12.2113, 13.9632, 23.9785



16.1606, 13.9632, 12.9120



14.3916, 13.9632, 8.8826

Sweetspot

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



10.7496, 13.9637, 17.7517



24.6929, 27.8103, 32.0417



8.6384, 13.1255, 6.3533



5.6276, 6.3888, 7.4062



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.



10.7496, 13.9637, 17.7517



18.0964, 24.4097, 31.7323



8.2838, 9.0319, 16.9302



3.4750, 3.8152, 4.3074



10.0793, 14.7492, 20.0361



50.2094, 73.4724, 99.8085

Inverse Universe

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



9.2420, 7.0690, 5.1527



15.0457, 10.4585, 6.2386



10.9234, 10.4319, 5.7130



3.3845, 3.4015, 3.5515



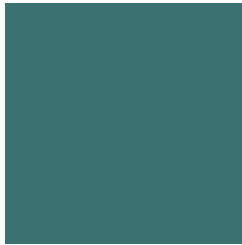
7.7250, 3.9824, 0.3616



38.4814, 19.8379, 1.8011

Previews

White Background



This preview shows how the XYZ color 10.7492, 13.9632, 17.7514 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 10.7492, 13.9632, 17.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

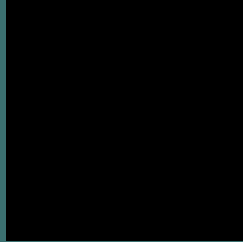
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

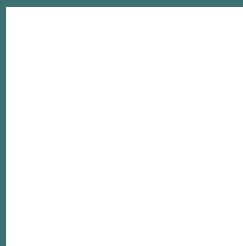
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.7492, 13.9632, 17.7514

Background



This preview shows how black text looks on a background with the XYZ color 10.7492, 13.9632, 17.7514.



This preview shows how white text looks on a background with the XYZ color 10.7492, 13.9632,

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

10.7492, 13.9632, 17.7514

Protanopia

13.3298, 13.7653, 15.8643

Deuteranopia

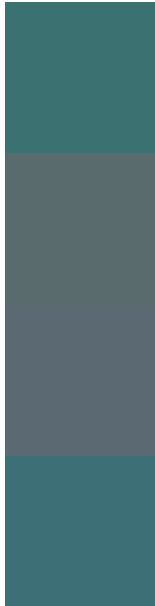
14.1127, 13.8195, 18.4466



Tritanopia

11.2320, 13.9930, 20.1981

Trichromacy



Original Color

10.7492, 13.9632, 17.7514

Protanomaly

12.1378, 13.7434, 16.4810

Deuteranomaly

12.4605, 13.5651, 18.1812

Tritanomaly

10.9887, 13.8884, 19.2411

Monochromacy



Original Color

10.7492, 13.9632, 17.7514

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9546, 12.5646, 14.6798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7492, 13.9632, 17.7514 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(60, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(60, 113, 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(60, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 113, 113) }
```

Border

The CSS property to change the border of an element to XYZ 10.7492, 13.9632, 17.7514 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(60, 113, 113) }
```


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

```
.border{ border-color:rgb(60, 113, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 113, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 113, 113);  
box-shadow:4px 4px 4px 4px rgb(60, 113,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7492, 13.9632, 17.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 113, 113) }
```

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

```
.background{ background-color: rgb(60, 113,  
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](#).

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