

Converting Colors

XYZ(15.7159, 17.3959, 21.7955)

Have a look what the booklet for
XYZ(15.7159, 17.3959, 21.7955)
contains.

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Color

**XYZ(15.7780, 17.4991,
21.9481)**

Conversions

Conversions Part 1

Format	Color
Hex	66777D
RGB	102, 119, 125
RGB Percent	40%, 47%, 49%
CMY	0.6000, 0.5333, 0.5098
CMYK	0.18, 0.05, 0.00, 0.51
HSL	196°, 10%, 45%
HSV	196°, 18%, 49%
XYZ	15.7780, 17.4991, 21.9481
YIQ	114.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

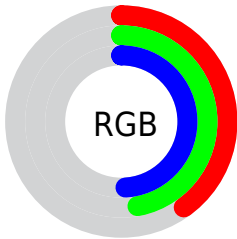
Format	Color
RYB	102, 112, 125
Decimal	6715261
CIELab	48.88, -4.87, -5.40
CIELCh	49, 7.274, 227.936
Yxy	17.4991, 0.2857, 0.3169
Android (android.graphics.Color)	4284905341 (0xFF66777D)
YUV	114.6010, 5.1267, -11.0511
Hunter-Lab	41.8319, -5.8799, -1.8255

Details

The XYZ color **15.7780, 17.4991, 21.9481** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2184, 16.0444, 14.8128**, and the grayscale version is **16.1630, 17.0048, 18.5182**.

A 20% lighter version of the original color is **35.7357, 39.1125, 47.7855**, and **5.1333, 5.8405, 7.6943** is the 20% darker color. If you saturate the color by 10%, you get **14.0856, 16.0609, 21.7600**, and if you desaturate by 10%, it is **17.6984, 19.0755, 22.1514**.

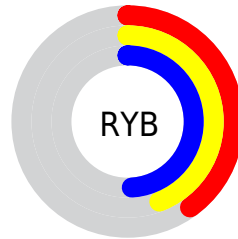
Distribution



Red (40%)

Green (47%)

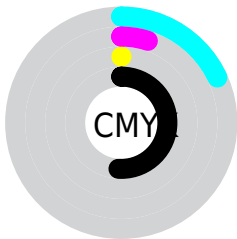
Blue (49%)



Red (40%)

Yellow (44%)

Blue (49%)

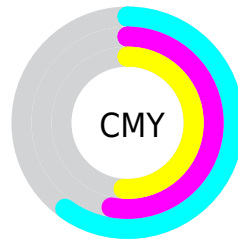


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (51%)



Cyan (60%)

Magenta (53%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7780, 17.4991, 21.9481 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 15.7780, 17.4991, 21.9481 by changing the saturation by 10% instead.

■ 15.7780, 17.4991,
21.9481

■ 15.7780, 17.4991,
21.9481

221.3244,
238.0324, 275.2198

■ 9.4570, 10.5910,
13.6208

■ 35.7729, 39.1819,
47.5613

■ 5.1000, 5.7925,
7.7217

■ 50.1776, 54.7254,
65.6843

■ 2.3414, 2.7193,
3.8322

■ 68.0076, 73.9162,
87.9096

■ 0.8157, 0.9870,
1.5337

■ 89.6283, 97.1385,
114.6558

■ 0.0000, 0.0000,
0.2429

115.4049,
124.7770, 146.3413

■ 0.0000, 0.0000,
0.0000

145.7029,

157.2158, 183.3848

180.8876,
194.8395, 226.2048

■ 15.7780, 17.4991,
21.9481

■ 15.7780, 17.4991,
21.9481

■ 14.0856, 16.0609,
21.7600

■ 17.6984, 19.0755,
22.1514

■ 12.6100, 14.7536,
21.5854

■ 19.8543, 20.7928,
22.3693

■ 11.3412, 13.5724,
21.4243

■ 22.2548, 22.6563,
22.6024

■ 10.2681, 12.5111,
21.2760

■ 24.9080, 24.6704,
22.8514

■ 9.3782, 11.5633,
21.1400

■ 27.8216, 26.8393,
23.1164

8.6576, 10.7214,
21.0154

31.0031, 29.1669,
23.3980

8.0902, 9.9772,
20.9017

34.4594, 31.6571,
23.6965

7.6343, 9.3087,
20.7967

38.1975, 34.3137,
24.0123

7.5637, 9.2046,
20.7803

42.2239, 37.1401,
24.3456

Harmonies

Analogous

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



15.4280, 17.4991, 20.2212



15.7780, 17.4991, 21.9481



16.3626, 17.4991, 22.9241

Triad

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



15.7780, 17.4991, 21.9481



17.9340, 17.4991, 19.8409



16.2359, 17.4991, 15.7318

Complementary

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



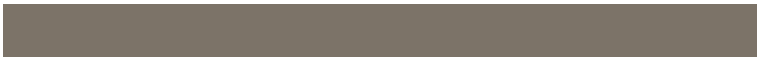
15.7780, 17.4991, 21.9481



16.2184, 16.0444, 14.8128

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.



16.9051, 17.4991, 15.6452



15.7780, 17.4991, 21.9481



17.8978, 17.4991, 17.9317

Square

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



15.7780, 17.4991, 21.9481



17.6145, 17.4991, 21.6536



17.5170, 17.4991, 16.4254



15.6874, 17.4991, 16.6705

Rectangle

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



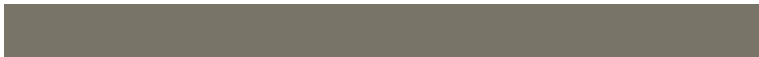
15.7780, 17.4991, 21.9481



16.8122, 17.4991, 22.9767



17.5170, 17.4991, 16.4254



16.4538, 17.4991, 15.6045

Sweetspot

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



15.7785, 17.4998, 21.9485



32.5259, 34.8299, 39.7529



15.5069, 18.5697, 16.8851



7.3562, 7.8885, 9.0380



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.



15.7785, 17.4998, 21.9485



26.9539, 30.2435, 39.1613



14.5178, 14.9783, 21.5282



4.3545, 4.7030, 5.4915



7.8882, 9.5949, 21.6862



0.0000, 0.0000, 0.0000

Inverse Universe

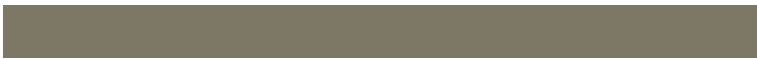
The Inverse Universe completely reimagines the original color for something new.



16.5390, 15.1950, 19.5148



28.5920, 25.3906, 33.8943



17.4827, 18.5728, 15.2342



4.4518, 4.3939, 5.1835



10.8586, 5.3631, 11.1110



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7780, 17.4991, 21.9481 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 15.7780, 17.4991, 21.9481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

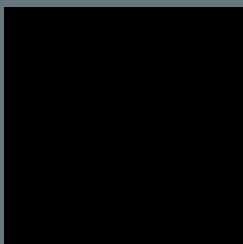
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

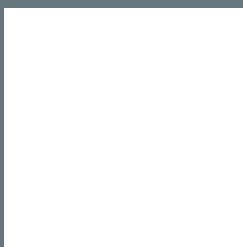
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7780, 17.4991, 21.9481

Background



This preview shows how black text looks on a background with the XYZ color 15.7780, 17.4991, 21.9481.



This preview shows how white text looks on a background with the XYZ color 15.7780, 17.4991,

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

15.7780, 17.4991, 21.9481

Protanopia

16.9083, 17.4045, 21.2071

Deuteranopia

17.6971, 17.4542, 22.1749



Tritanopia

16.0866, 17.6357, 22.9783

Trichromacy



Original Color

15.7780, 17.4991, 21.9481

Protanomaly

16.4390, 17.3255, 21.5465

Deuteranomaly

16.9669, 17.4127, 22.2054

Tritanomaly

16.0211, 17.6095, 22.6332

Monochromacy



Original Color

15.7780, 17.4991, 21.9481

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0056, 17.1377, 19.9171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7780, 17.4991, 21.9481 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(102, 119, 125)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 125)  
}
```

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(102, 119, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 125) }
```

Border

The CSS property to change the border of an element to XYZ 15.7780, 17.4991, 21.9481 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(102, 119, 125) }
```


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

```
.border{ border-color:rgb(102, 119, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 125);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7780, 17.4991, 21.9481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 125) }
```

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

```
.background{ background-color: rgb(102,  
119, 125) }
```

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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