

Converting Colors

XYZ(15.7837, 17.8413, 21.1544)

Have a look what the booklet for
XYZ(15.7837, 17.8413, 21.1544)
contains.

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Color

**XYZ(15.8297, 17.9047,
21.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	66797A
RGB	102, 121, 122
RGB Percent	40%, 47%, 48%
CMY	0.6000, 0.5255, 0.5216
CMYK	0.16, 0.01, 0.00, 0.52
HSL	183°, 9%, 44%
HSV	183°, 16%, 48%
XYZ	15.8297, 17.9047, 21.0340
YIQ	115.4330, -11.6450, -3.7170

Conversions

Conversions Part 2

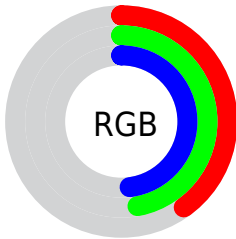
Format	Color
RYB	102, 112, 122
Decimal	6715770
CIELab	49.38, -6.72, -2.89
CIELCh	49, 7.313, 203.287
Yxy	17.9047, 0.2890, 0.3269
Android (android.graphics.Color)	4284905850 (0xFF66797A)
YUV	115.4330, 3.2375, -11.7807
Hunter-Lab	42.3139, -7.2723, 0.1471

Details

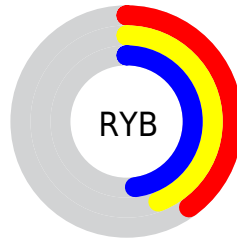
The XYZ color **15.8297, 17.9047, 21.0340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2746, 14.7972, 14.6217**, and the grayscale version is **16.4207, 17.2758, 18.8134**.

A 20% lighter version of the original color is **35.7204, 39.7154, 45.8276**, and **5.0955, 5.9280, 7.1790** is the 20% darker color. If you saturate the color by 10%, you get **14.4740, 17.0968, 20.9498**, and if you desaturate by 10%, it is **17.3905, 18.8200, 21.1287**.

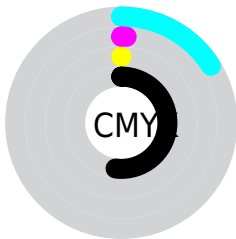
Distribution



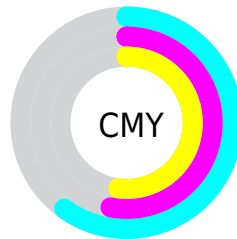
- Red (40%)
- Green (47%)
- Blue (48%)



- Red (40%)
- Yellow (44%)
- Blue (48%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8297, 17.9047, 21.0340 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 15.8297, 17.9047, 21.0340 by changing the saturation by 10% instead.

■ 15.8297, 17.9047,
21.0340

■ 15.8297, 17.9047,
21.0340

221.6249,
240.3333, 270.2461

■ 9.4938, 10.8816,
12.9574

■ 35.8621, 39.8749,
46.0256

■ 5.1243, 5.9873,
7.2688

■ 50.2894, 55.5907,
63.7777

■ 2.3559, 2.8373,
3.5498

■ 68.1445, 74.9729,
85.5921

■ 0.8230, 1.0474,
1.3818

■ 89.7928, 98.4059,
111.8872

■ 0.0000, 0.0000,
0.1274

115.5996,
126.2740, 143.0816

■ 0.0000, 0.0000,
0.0000

145.9303,

158.9617, 179.5938

181.1503,
196.8534, 221.8425

■ 15.8297, 17.9047,
21.0340

■ 15.8297, 17.9047,
21.0340

■ 14.4740, 17.0968,
20.9498

■ 17.3905, 18.8200,
21.1287

■ 13.3129, 16.3894,
20.8745

■ 19.1630, 19.8446,
21.2330

■ 12.3374, 15.7784,
20.8079

■ 21.1557, 20.9834,
21.3478

■ 11.5372, 15.2585,
20.7498

■ 23.3760, 22.2403,
21.4734

■ 10.9010, 14.8238,
20.6994

■ 25.8310, 23.6189,
21.6101

■ 10.4161, 14.4678,
20.6562

■ 28.5274, 25.1226,
21.7582

■ 10.0682, 14.1831,
20.6196

■ 31.4719, 26.7549,
21.9181

■ 9.8287, 13.9549,
20.5882

■ 34.6707, 28.5190,
22.0900

■ 9.7483, 13.8759,
20.5772

■ 38.1298, 30.4180,
22.2743

Harmonies

Analogous

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



15.7357, 17.9047, 19.0550



15.8297, 17.9047, 21.0340



16.2381, 17.9047, 22.6978

Triad

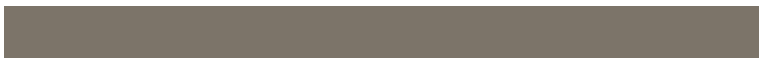
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.8297, 17.9047, 21.0340



18.1022, 17.9047, 21.8526



17.1732, 17.9047, 15.9644

Complementary

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



15.8297, 17.9047, 21.0340



15.2746, 14.7972, 14.6217

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.



17.8223, 17.9047, 16.6089



15.8297, 17.9047, 21.0340



18.3679, 17.9047, 19.9421

Square

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



15.8297, 17.9047, 21.0340



17.5470, 17.9047, 23.1923



18.2641, 17.9047, 18.0333



16.4995, 17.9047, 16.2135

Rectangle

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



15.8297, 17.9047, 21.0340



16.6397, 17.9047, 23.3597



18.2641, 17.9047, 18.0333



17.4017, 17.9047, 16.0822

Sweetspot

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



15.8302, 17.9054, 21.0344



30.9705, 33.3280, 37.1935



14.8708, 17.7167, 15.3805



7.0434, 7.5984, 8.5021



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.8302, 17.9054, 21.0344



26.8316, 30.8968, 36.9424



14.7135, 15.6719, 20.6622



4.0908, 4.4798, 5.0923



10.2614, 14.6053, 21.6636



48.7588, 69.2903, 103.2743

Inverse Universe

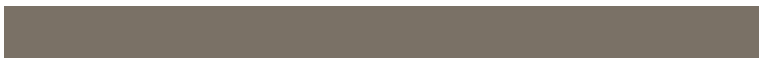
The Inverse Universe completely reimagines the original color for something new.



16.2290, 15.0211, 20.1341



27.6877, 24.7420, 35.0012



16.2926, 16.8332, 14.9610



4.1463, 4.0742, 4.9679



11.7628, 5.6813, 17.8398



56.0143, 27.0621, 84.5945

Previews

White Background



This preview shows how the XYZ color 15.8297, 17.9047, 21.0340 looks on a white background.

Color Contrast Check

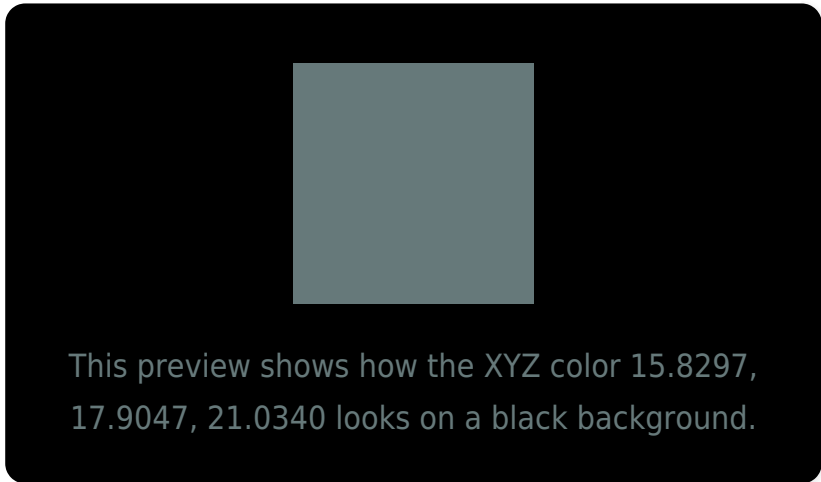
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

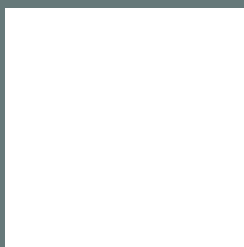
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8297, 17.9047, 21.0340

Background



This preview shows how black text looks on a background with the XYZ color 15.8297, 17.9047, 21.0340.



This preview shows how white text looks on a background with the XYZ color 15.8297, 17.9047,

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

15.8297, 17.9047, 21.0340

Protanopia

17.2988, 17.9764, 20.0108

Deuteranopia

18.1966, 17.9003, 21.2349



Tritanopia

16.2724, 17.9015, 23.3666

Trichromacy



Original Color

15.8297, 17.9047, 21.0340

Protanomaly

16.6787, 17.8236, 20.3305

Deuteranomaly

17.2726, 17.9345, 21.2902

Tritanomaly

16.0759, 17.8229, 22.3315

Monochromacy



Original Color

15.8297, 17.9047, 21.0340

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0617, 17.3456, 19.6410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8297, 17.9047, 21.0340 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, 121, 122)` looks like.

```
.text, #text, p{  
    color:rgb(102, 121, 122)  
}
```

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, 121, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 121, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.8297, 17.9047, 21.0340 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, 121, 122) }
```


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

```
.border{ border-color:rgb(102, 121, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 121, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 121, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 121, 122);  
box-shadow:4px 4px 4px 4px rgb(102, 121,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8297, 17.9047, 21.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 121, 122) }
```

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

```
.background{ background-color: rgb(102,  
121, 122) }
```

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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