

Converting Colors

XYZ(15.6793, 17.5944, 21.0670)

Have a look what the booklet for
XYZ(15.6793, 17.5944, 21.0670)
contains.

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Color

**XYZ(15.7088, 17.6629,
20.9937)**

Conversions

Conversions Part 1

Format	Color
Hex	66787A
RGB	102, 120, 122
RGB Percent	40%, 47%, 48%
CMY	0.6000, 0.5294, 0.5216
CMYK	0.16, 0.02, 0.00, 0.52
HSL	186°, 9%, 44%
HSV	186°, 16%, 48%
XYZ	15.7088, 17.6629, 20.9937
YIQ	114.8460, -11.3700, -3.1940

Conversions

Conversions Part 2

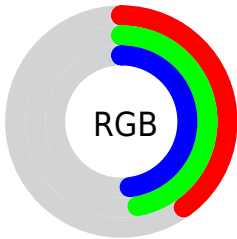
Format	Color
R_{YB}	102, 111, 122
Decimal	6715514
CIE _{Lab}	49.08, -6.15, -3.33
CIE _{LCh}	49, 6.988, 208.431
Yxy	17.6629, 0.2889, 0.3249
Android (android.graphics.Color)	4284905594 (0xFF66787A)
YUV	114.8460, 3.5269, -11.2659
Hunter-Lab	42.0273, -6.8286, -0.1978

Details

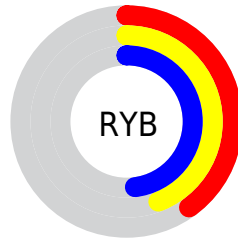
The XYZ color **15.7088, 17.6629, 20.9937** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3747, 14.9974, 14.6550**, and the grayscale version is **16.2416, 17.0874, 18.6082**.

A 20% lighter version of the original color is **35.5294, 39.3333, 45.7639**, and **5.0955, 5.9280, 7.1790** is the 20% darker color. If you saturate the color by 10%, you get **14.2812, 16.7112, 20.8855**, and if you desaturate by 10%, it is **17.3429, 18.7247, 21.1128**.

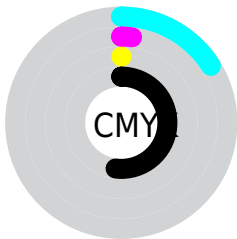
Distribution



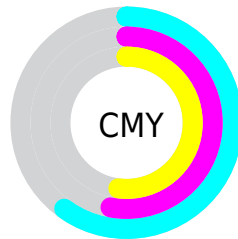
- Red (40%)
- Green (47%)
- Blue (48%)



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



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7088, 17.6629, 20.9937 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 15.7088, 17.6629, 20.9937 by changing the saturation by 10% instead.

■ 15.7088, 17.6629,
20.9937

■ 15.7088, 17.6629,
20.9937

220.9216,
238.9641, 270.0250

■ 9.4079, 10.7082,
12.9282

■ 35.6535, 39.4621,
45.9577

■ 5.0674, 5.8710,
7.2490

■ 50.0279, 55.0754,
63.6933

■ 2.3220, 2.7668,
3.5375

■ 67.8242, 74.3437,
85.4893

■ 0.8059, 1.0112,
1.3752

■ 89.4078, 97.6514,
111.7643

■ 0.0000, 0.0000,
0.1223

115.1440,
125.3829, 142.9368

■ 0.0000, 0.0000,
0.0000

145.3981,

157.9226, 179.4254

180.5355,
195.6548, 221.6486

■ 15.7088, 17.6629,
20.9937

■ 15.7088, 17.6629,
20.9937

■ 14.2812, 16.7112,
20.8855

■ 17.3429, 18.7247,
21.1128

■ 13.0495, 15.8628,
20.7867

■ 19.1901, 19.8988,
21.2421

■ 12.0049, 15.1135,
20.6971

■ 21.2589, 21.1899,
21.3822

■ 11.1370, 14.4581,
20.6164

■ 23.5567, 22.6018,
21.5337

■ 10.4344, 13.8907,
20.5439

■ 26.0907, 24.1383,
21.6967

■ 9.8846, 13.4047,
20.4790

■ 28.8675, 25.8028,
21.8716

■ 9.4730, 12.9927,
20.4212

■ 31.8939, 27.5988,
22.0588

■ 9.1712, 12.6400,
20.3690

■ 35.1759, 29.5294,
22.2584

■ 9.0687, 12.5167,
20.3506

■ 38.7197, 31.5978,
22.4709

Harmonies

Analogous

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



15.5649, 17.6629, 19.1337



15.7088, 17.6629, 20.9937



16.1398, 17.6629, 22.4584

Triad

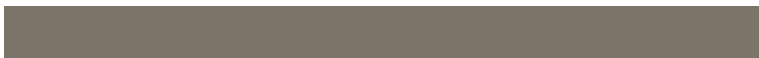
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.7088, 17.6629, 20.9937



17.8798, 17.6629, 21.1749



16.8224, 17.6629, 15.8592

Complementary

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



15.7088, 17.6629, 20.9937



15.3747, 14.9974, 14.6550

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.



17.4535, 17.6629, 16.3302



15.7088, 17.6629, 20.9937



18.0736, 17.6629, 19.3305

Square

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



15.7088, 17.6629, 20.9937



17.3925, 17.6629, 22.5677



17.9156, 17.6629, 17.5715



16.1978, 17.6629, 16.2422

Rectangle

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



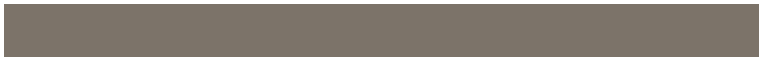
15.7088, 17.6629, 20.9937



16.5377, 17.6629, 22.9710



17.9156, 17.6629, 17.5715



17.0409, 17.6629, 15.9223

Sweetspot

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



15.7093, 17.6636, 20.9941



30.9033, 33.1937, 37.1711



14.9211, 17.7368, 15.6455



7.0263, 7.5643, 8.4964



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.



15.7093, 17.6636, 20.9941



26.5669, 30.3674, 36.8542



14.6046, 15.4541, 20.6258



4.0745, 4.4473, 5.0868



9.5444, 13.1712, 21.4245



45.1742, 62.1211, 102.0794

Inverse Universe

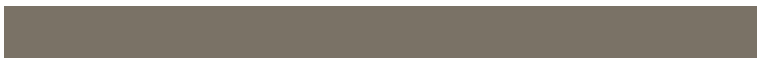
The Inverse Universe completely reimagines the original color for something new.



16.1680, 14.9967, 19.8127



27.5541, 24.6886, 34.2976



16.4044, 17.0567, 14.9983



4.1381, 4.0709, 4.9247



11.4009, 5.5365, 15.9338



54.2050, 26.3383, 75.0667

Previews

White Background



This preview shows how the XYZ color 15.7088, 17.6629, 20.9937 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 15.7088, 17.6629, 20.9937 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

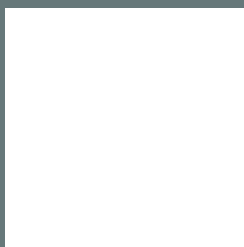
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7088, 17.6629, 20.9937

Background



This preview shows how black text looks on a background with the XYZ color 15.7088, 17.6629, 20.9937.



This preview shows how white text looks on a background with the XYZ color 15.7088, 17.6629,

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

15.7088, 17.6629, 20.9937

Protanopia

17.0464, 17.6742, 19.9658

Deuteranopia

17.9377, 17.6003, 21.1907



Tritanopia

16.0866, 17.6357, 22.9783

Trichromacy



Original Color

15.7088, 17.6629, 20.9937

Protanomaly

16.4335, 17.5234, 20.2855

Deuteranomaly

17.1567, 17.7028, 21.2516

Tritanomaly

15.9562, 17.5836, 22.2916

Monochromacy



Original Color

15.7088, 17.6629, 20.9937

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 15.7088, 17.6629, 20.9937 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, 120, 122)` looks like.

```
.text, #text, p{  
    color:rgb(102, 120, 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, 120, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.7088, 17.6629, 20.9937 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, 120, 122) }
```


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

```
.border{ border-color:rgb(102, 120, 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, 120, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 120, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 120, 122);  
box-shadow:4px 4px 4px 4px rgb(102, 120,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7088, 17.6629, 20.9937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 122) }
```

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

```
.background{ background-color: rgb(102,  
120, 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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