

Converting Colors

XYZ(16.8015, 18.0335, 17.2284)

Have a look what the booklet for
XYZ(16.8015, 18.0335, 17.2284)
contains.

XYZ(16.7641, 17.9342, 17.3299)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7641, 17.9342,
17.3299)**

Conversions

Conversions Part 1

Format	Color
Hex	76766E
RGB	118, 118, 110
RGB Percent	46%, 46%, 43%
CMY	0.5373, 0.5372, 0.5686
CMYK	0.00, 0.00, 0.07, 0.54
HSL	60°, 4%, 45%
HSV	60°, 7%, 46%
XYZ	16.7641, 17.9342, 17.3299
YIQ	117.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

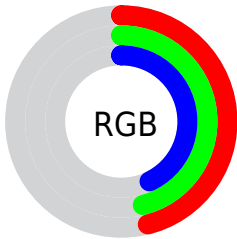
Format	Color
R_{YB}	110, 118, 110
Decimal	7763566
CIE _{Lab}	49.42, -1.56, 4.40
CIE _{LCh}	49, 4.669, 109.551
Yxy	17.9342, 0.3222, 0.3447
Android (android.graphics.Color)	4285953646 (0xFF76766E)
YUV	117.0880, -3.4944, 0.7998
Hunter-Lab	42.3488, -3.4498, 5.3816

Details

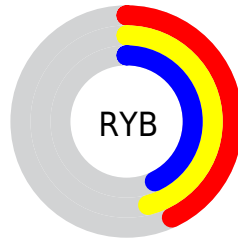
The XYZ color **16.7641, 17.9342, 17.3299** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2770, 15.7753, 19.3802**, and the grayscale version is **16.9461, 17.8286, 19.4154**.

A 20% lighter version of the original color is **37.4739, 39.9041, 39.9096**, and **5.5854, 6.0302, 5.4270** is the 20% darker color. If you saturate the color by 10%, you get **16.1637, 17.6945, 14.1684**, and if you desaturate by 10%, it is **17.4511, 18.2096, 20.9428**.

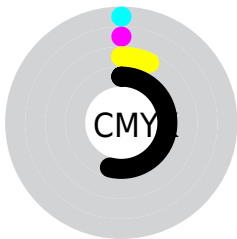
Distribution



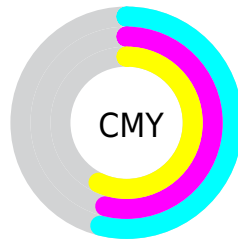
- Red (46%)
- Green (46%)
- Blue (43%)



- Red (43%)
- Yellow (46%)
- Blue (43%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (54%)



- Cyan (54%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7641, 17.9342, 17.3299 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 16.7641, 17.9342, 17.3299 by changing the saturation by 10% instead.

■ 16.7641, 17.9342,
17.3299

■ 16.7641, 17.9342,
17.3299

226.9921,
240.4999, 249.1744

■ 10.1607, 10.9028,
10.3055

■ 37.4666, 39.9252,
39.6905

■ 5.5687, 6.0015,
5.4938

■ 52.2964, 55.6535,
55.8639

■ 2.6228, 2.8460,
2.4760

■ 70.5990, 75.0496,
75.9239

■ 0.9576, 1.0519,
0.8274

■ 92.7398, 98.4978,
100.2893

■ 0.0000, 0.0000,
0.0000

119.0842,
126.3825, 129.3785

149.9974,

159.0882, 163.6100

185.8450,
196.9992, 203.4025

■ 16.7641, 17.9342,
17.3299

■ 16.7641, 17.9342,
17.3299

■ 16.1637, 17.6945,
14.1684

■ 17.4511, 18.2096,
20.9428

■ 15.6450, 17.4870,
11.4396

■ 18.2264, 18.5198,
25.0228

■ 15.2049, 17.3109,
9.1250

■ 19.0935, 18.8667,
29.5861

■ 14.8397, 17.1648,
7.2043

■ 20.0552, 19.2514,
34.6477

■ 14.5451, 17.0469,
5.6557

■ 21.1142, 19.6751,
40.2221

■ 14.3166, 16.9554,
4.4549

■ 22.2733, 20.1388,
46.3232

■ 14.1490, 16.8884,
3.5753

■ 23.5350, 20.6435,
52.9643

■ 14.0366, 16.8433,
2.9859

■ 24.9016, 21.1903,
60.1583

■ 13.9664, 16.8152,
2.6186

■ 26.3756, 21.7799,
67.9176

Harmonies

Analogous

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



17.2000, 17.9342, 17.2381



16.7641, 17.9342, 17.3299



16.4096, 17.9342, 17.9958

Triad

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



16.7641, 17.9342, 17.3299



16.5024, 17.9342, 21.4316



17.8923, 17.9342, 19.9704

Complementary

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



16.7641, 17.9342, 17.3299



15.2770, 15.7753, 19.3802

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.



17.6985, 17.9342, 21.1433



16.7641, 17.9342, 17.3299



16.8928, 17.9342, 22.0107

Square

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



16.7641, 17.9342, 17.3299



16.2603, 17.9342, 20.3502



17.3309, 17.9342, 21.9030



17.8564, 17.9342, 18.7269

Rectangle

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



16.7641, 17.9342, 17.3299



16.2647, 17.9342, 18.6922



17.3309, 17.9342, 21.9030



17.8517, 17.9342, 20.3869

Sweetspot

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



16.7646, 17.9350, 17.3303



30.0281, 31.7548, 33.3755



15.8622, 16.1296, 17.0294



6.9083, 7.3027, 7.6967



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



16.7646, 17.9350, 17.3303



29.3173, 31.4703, 29.6350



16.2330, 17.6609, 17.3054



3.9665, 4.2662, 3.9567



15.0861, 18.1815, 2.7143



73.5151, 88.6002, 13.2269

Inverse Universe

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



15.2770, 15.7753, 19.3802



26.1837, 26.9210, 33.9532



15.7859, 16.0376, 19.4041



3.5007, 3.5899, 4.5987



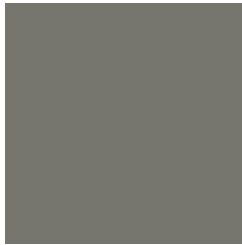
3.5382, 1.4153, 18.6293



17.2406, 6.8964, 90.7827

Previews

White Background



This preview shows how the XYZ color 16.7641, 17.9342, 17.3299 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 16.7641, 17.9342, 17.3299 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

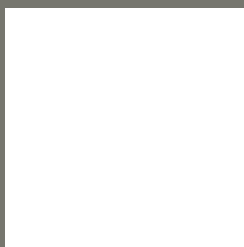
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7641, 17.9342, 17.3299

Background



This preview shows how black text looks on a background with the XYZ color 16.7641, 17.9342, 17.3299.



This preview shows how white text looks on a background with the XYZ color 16.7641, 17.9342,

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

16.7641, 17.9342, 17.3299

Protanopia

17.0068, 17.8917, 17.0251

Deuteranopia

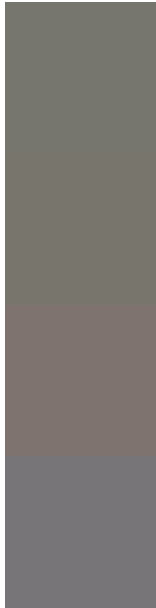
18.1344, 17.7832, 17.5156



Tritanopia

17.6928, 17.9645, 21.9370

Trichromacy



Original Color

16.7641, 17.9342, 17.3299

Protanomaly

16.8673, 17.8198, 17.0186

Deuteranomaly

17.6042, 17.8448, 17.5555

Tritanomaly

17.3592, 18.0006, 20.3288

Monochromacy



Original Color

16.7641, 17.9342, 17.3299

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7347, 17.7194, 18.4578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7641, 17.9342, 17.3299 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(118, 118, 110)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 110)  
}
```

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(118, 118, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 110) }
```

Border

The CSS property to change the border of an element to XYZ 16.7641, 17.9342, 17.3299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

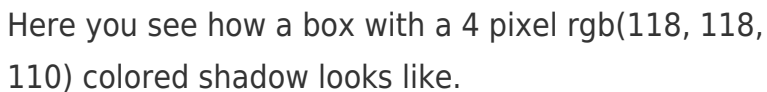
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 118, 110) }
```


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

```
.border{ border-color:rgb(118, 118, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 118, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 118, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 118, 110); box-shadow:4px 4px 4px 4px rgb(118, 118, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7641, 17.9342, 17.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 110) }
```

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

```
.background{ background-color: rgb(118,  
118, 110) }
```

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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