

Converting Colors

XYZ(16.6755, 17.1451, 17.9528)

Have a look what the booklet for
XYZ(16.6755, 17.1451, 17.9528)
contains.

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Color

**XYZ(16.7437, 17.2200,
18.0641)**

Conversions

Conversions Part 1

Format	Color
Hex	787271
RGB	120, 114, 113
RGB Percent	47%, 45%, 44%
CMY	0.5294, 0.5529, 0.5569
CMYK	0.00, 0.05, 0.06, 0.53
HSL	9°, 3%, 46%
HSV	9°, 6%, 47%
XYZ	16.7437, 17.2200, 18.0641
YIQ	115.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

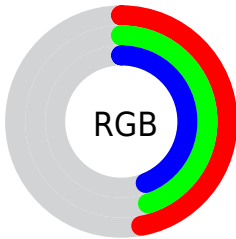
Format	Color
R_{YB}	120, 114, 113
Decimal	7893617
CIE _{Lab}	48.54, 2.12, 1.37
CIE _{LCh}	49, 2.524, 32.961
Yxy	17.2200, 0.3218, 0.3310
Android (android.graphics.Color)	4286083697 (0xFF787271)
YUV	115.6800, -1.3212, 3.7886
Hunter-Lab	41.4970, -0.5964, 3.2383

Details

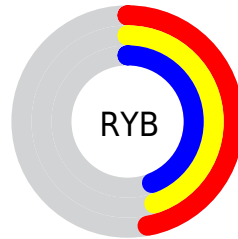
The XYZ color **16.7437, 17.2200, 18.0641** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7970, 18.0601, 20.3702**, and the grayscale version is **16.5061, 17.3657, 18.9112**.

A 20% lighter version of the original color is **37.4410, 38.7597, 41.1053**, and **5.5748, 5.6558, 5.7989** is the 20% darker color. If you saturate the color by 10%, you get **15.0172, 14.7774, 14.3730**, and if you desaturate by 10%, it is **18.6910, 19.9606, 22.2700**.

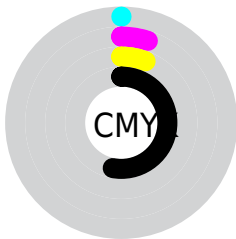
Distribution



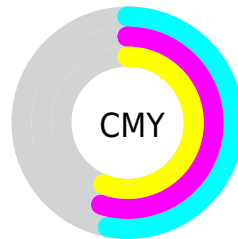
- Red (47%)
- Green (45%)
- Blue (44%)



- Red (47%)
- Yellow (45%)
- Blue (44%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7437, 17.2200, 18.0641 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 16.7437, 17.2200, 18.0641 by changing the saturation by 10% instead.

■ 16.7437, 17.2200,
18.0641

■ 16.7437, 17.2200,
18.0641

226.8762,
236.4370, 253.4803

■ 10.1461, 10.3915,
10.8261

■ 37.4317, 38.7036,
40.9619

■ 5.5589, 5.6593,
5.8373

■ 52.2528, 54.1276,
57.4588

■ 2.6169, 2.6390,
2.6792

■ 70.5458, 73.1854,
77.8791

■ 0.9546, 0.9463,
0.9329

■ 92.6760, 96.2615,
102.6414

■ 0.0000, 0.0000,
0.0000

119.0088,
123.7403, 132.1641

149.9095,

156.0063, 166.8658

185.7435,
193.4437, 207.1650

■ 16.7437, 17.2200,
18.0641

■ 16.7437, 17.2200,
18.0641

■ 15.0172, 14.7774,
14.3730

■ 18.6910, 19.9606,
22.2700

■ 13.5021, 12.6206,
11.1757

■ 20.8649, 23.0065,
27.0083

■ 12.1908, 10.7397,
8.4518

■ 23.2729, 26.3675,
32.2970

■ 11.0744, 9.1237,
6.1785

■ 25.9219, 30.0523,
38.1532

■ 10.1436, 7.7605,
4.3315

■ 28.8182, 34.0693,
44.5929

■ 9.3881, 6.6373,
2.8842

■ 31.9682, 38.4264,
51.6318

■ 8.7967, 5.7400,
1.8067

■ 35.3776, 43.1316,
59.2848

■ 8.3568, 5.0532,
1.0652

■ 39.0525, 48.1923,
67.5663

■ 8.0501, 4.5578,
0.5990

■ 42.9983, 53.6159,
76.4903

Harmonies

Analogous

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



16.8160, 17.2200, 18.6838



16.7437, 17.2200, 18.0641



16.5704, 17.2200, 17.6362

Triad

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



16.7437, 17.2200, 18.0641



15.9735, 17.2200, 18.1757



16.3901, 17.2200, 20.0528

Complementary

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



16.7437, 17.2200, 18.0641



16.7970, 18.0601, 20.3702

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.



16.1654, 17.2200, 19.9091



16.7437, 17.2200, 18.0641



15.9263, 17.2200, 18.8156

Square

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



16.7437, 17.2200, 18.0641



16.1259, 17.2200, 17.6995



15.9962, 17.2200, 19.4523



16.6106, 17.2200, 19.8406

Rectangle

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



16.7437, 17.2200, 18.0641



16.4217, 17.2200, 17.5118



15.9962, 17.2200, 19.4523



16.3126, 17.2200, 20.0445

Sweetspot

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



16.7442, 17.2208, 18.0645



30.6992, 32.0492, 34.4627



16.9849, 17.1371, 19.8866



7.2876, 7.6125, 8.1936



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.



16.7442, 17.2208, 18.0645



29.0211, 29.6829, 30.8512



17.1385, 18.0094, 18.1959



4.1215, 4.2137, 4.3766



8.6647, 4.7854, 0.4670



40.9435, 22.0505, 2.0982

Inverse Universe

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



16.7970, 18.0601, 20.3702



29.1343, 31.4823, 35.7942



16.3960, 17.2581, 20.2365



4.1378, 4.4729, 5.0884



8.9621, 12.0067, 21.2305



42.2747, 56.3221, 101.1129

Previews

White Background



This preview shows how the XYZ color 16.7437, 17.2200, 18.0641 looks on a white background.

Color Contrast Check

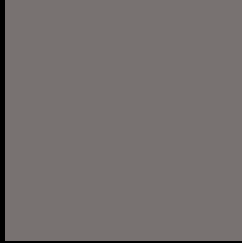
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7437, 17.2200, 18.0641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

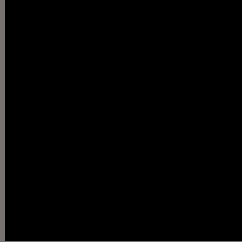
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7437, 17.2200, 18.0641

Background



This preview shows how black text looks on a background with the XYZ color 16.7437, 17.2200, 18.0641.



This preview shows how white text looks on a background with the XYZ color 16.7437, 17.2200,

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

16.7437, 17.2200, 18.0641

Protanopia

16.5826, 17.3053, 18.0890

Deuteranopia

17.5272, 17.2926, 18.0368



Tritanopia

17.3031, 17.2803, 20.8358

Trichromacy



Original Color

16.7437, 17.2200, 18.0641

Protanomaly

16.7191, 17.3757, 18.0954

Deuteranomaly

17.1979, 17.2876, 18.0532

Tritanomaly

17.1201, 17.2071, 19.8717

Monochromacy



Original Color

16.7437, 17.2200, 18.0641

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5614, 17.2812, 18.6824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7437, 17.2200, 18.0641 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(120, 114, 113)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 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(120, 114, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.7437, 17.2200, 18.0641 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(120, 114, 113) }
```


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

```
.border{ border-color:rgb(120, 114, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 113);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7437, 17.2200, 18.0641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 113) }
```

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

```
.background{ background-color: rgb(120,  
114, 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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