

Converting Colors

XYZ(16.6931, 18.7302, 21.5327)

Have a look what the booklet for
XYZ(16.6931, 18.7302, 21.5327)
contains.

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Color

**XYZ(16.7215, 18.7218,
21.4712)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7B7B
RGB	107, 123, 123
RGB Percent	42%, 48%, 48%
CMY	0.5804, 0.5176, 0.5176
CMYK	0.13, 0.00, 0.00, 0.52
HSL	180°, 7%, 45%
HSV	180°, 13%, 48%
XYZ	16.7215, 18.7218, 21.4712
YIQ	118.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

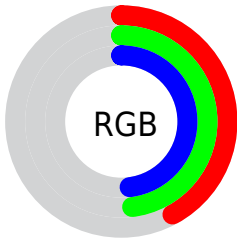
Format	Color
R_{YB}	107, 115, 123
Decimal	7043963
CIE _{Lab}	50.36, -5.87, -2.00
CIE _{LCh}	50, 6.199, 198.795
Yxy	18.7218, 0.2938, 0.3289
Android (android.graphics.Color)	4285234043 (0xFF6B7B7B)
YUV	118.2160, 2.3585, -9.8364
Hunter-Lab	43.2687, -6.7376, 0.8666

Details

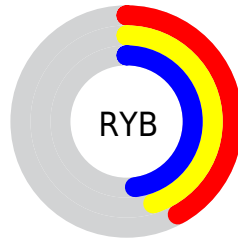
The XYZ color **16.7215, 18.7218, 21.4712** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0806, 15.7884, 16.1107**, and the grayscale version is **17.2830, 18.1831, 19.8013**.

A 20% lighter version of the original color is **37.3659, 41.1260, 46.5262**, and **5.4884, 6.3218, 7.4095** is the 20% darker color. If you saturate the color by 10%, you get **15.3467, 18.0136, 21.4067**, and if you desaturate by 10%, it is **18.3078, 19.5401, 21.5464**.

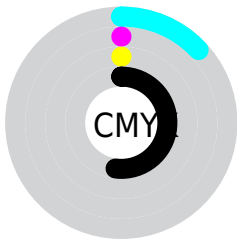
Distribution



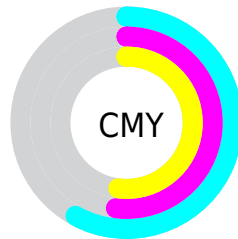
- Red (42%)
- Green (48%)
- Blue (48%)



- Red (42%)
- Yellow (45%)
- Blue (48%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)



- Cyan (58%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7215, 18.7218, 21.4712 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 16.7215, 18.7218, 21.4712 by changing the saturation by 10% instead.

■ 16.7215, 18.7218,
21.4712

■ 16.7215, 18.7218,
21.4712

226.7500,
244.9086, 272.6350

■ 10.1302, 11.4694,
13.2743

■ 37.3937, 41.2635,
46.7614

■ 5.5483, 6.3835,
7.4847

■ 52.2054, 57.3216,
64.6917

■ 2.6104, 3.0797,
3.6841

■ 70.4878, 77.0837,
86.7035

■ 0.9513, 1.1735,
1.4537

■ 92.6065, 100.9342,
113.2155

■ 0.0000, 0.0399,
0.1831

118.9267,
129.2576, 144.6461

■ 0.0000, 0.0000,
0.0000

149.8137,

162.4382, 181.4138

185.6331,
200.8604, 223.9373

■ 16.7215, 18.7218,
21.4712

■ 16.7215, 18.7218,
21.4712

■ 15.3467, 18.0136,
21.4067

■ 18.3078, 19.5401,
21.5464

■ 14.1729, 17.4085,
21.3512

■ 20.1122, 20.4703,
21.6314

■ 13.1912, 16.9024,
21.3048

■ 22.1433, 21.5173,
21.7270

■ 12.3914, 16.4901,
21.2668

■ 24.4084, 22.6850,
21.8335

■ 11.7623, 16.1658,
21.2368

■ 26.9147, 23.9770,
21.9513

■ 11.2915, 15.9231,
21.2142

■ 29.6690, 25.3969,
22.0808

■ 10.9649, 15.7548,
21.1984

■ 32.6778, 26.9480,
22.2221

■ 10.7653, 15.6519,
21.1885

■ 35.9476, 28.6336,
22.3757

■ 10.6576, 15.5964,
21.1831

■ 39.4843, 30.4569,
22.5417

Harmonies

Analogous

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



16.6835, 18.7218, 19.7477



16.7215, 18.7218, 21.4712



17.0431, 18.7218, 22.9809

Triad

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



16.7215, 18.7218, 21.4712



18.6793, 18.7218, 22.6466



18.0203, 18.7218, 17.3041

Complementary

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



16.7215, 18.7218, 21.4712



16.0806, 15.7884, 16.1107

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.



18.5676, 18.7218, 17.9921



16.7215, 18.7218, 21.4712



18.9538, 18.7218, 21.0356

Square

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



16.7215, 18.7218, 21.4712



18.1699, 18.7218, 23.6855



18.9125, 18.7218, 19.3358



17.4243, 18.7218, 17.4061

Rectangle

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



16.7215, 18.7218, 21.4712



17.3793, 18.7218, 23.6328



18.9125, 18.7218, 19.3358



18.2163, 18.7218, 17.4490

Sweetspot

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



16.7220, 18.7226, 21.4716



32.4550, 34.8204, 38.5667



15.8328, 18.3706, 16.6216



7.5977, 8.1770, 9.0808



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.



16.7220, 18.7226, 21.4716



29.0687, 33.0747, 38.4070



15.8003, 16.8788, 21.1650



4.1071, 4.5124, 5.0976



11.0247, 16.1335, 21.9127



52.5886, 76.9585, 104.5243

Inverse Universe

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



16.0806, 15.7884, 16.1107



27.6536, 26.6015, 26.5801



16.9233, 17.4739, 16.3910



3.9983, 4.0151, 4.1888



8.4502, 4.3562, 0.3959



40.3082, 20.7796, 1.8874

Previews

White Background



This preview shows how the XYZ color 16.7215, 18.7218, 21.4712 looks on a white 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

Black Background



This preview shows how the XYZ color 16.7215, 18.7218, 21.4712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

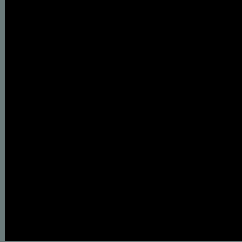
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

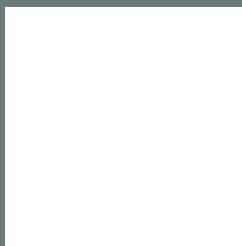
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7215, 18.7218, 21.4712

Background



This preview shows how black text looks on a background with the XYZ color 16.7215, 18.7218, 21.4712.



This preview shows how white text looks on a background with the XYZ color 16.7215, 18.7218,

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

16.7215, 18.7218, 21.4712

Protanopia

17.9332, 18.6391, 20.7417

Deuteranopia

18.9367, 18.6131, 21.6634



Tritanopia

17.3629, 18.8090, 24.1881

Trichromacy



Original Color

16.7215, 18.7218, 21.4712

Protanomaly

17.4318, 18.5511, 21.0743

Deuteranomaly

18.1201, 18.7138, 21.7259

Tritanomaly

17.0402, 18.6657, 23.1268

Monochromacy



Original Color

16.7215, 18.7218, 21.4712

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0461, 18.3664, 20.4159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7215, 18.7218, 21.4712 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(107, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(107, 123, 123)  
}
```

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(107, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 123, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.7215, 18.7218, 21.4712 is called "border". The border property can be set on classes, ids or directly on the HTML element.

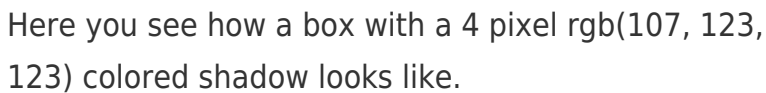
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 123, 123) }
```


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

```
.border{ border-color:rgb(107, 123, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 123, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 123, 123);  
box-shadow:4px 4px 4px 4px rgb(107, 123,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7215, 18.7218, 21.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 123, 123) }
```

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

```
.background{ background-color: rgb(107,  
123, 123) }
```

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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