

Converting Colors

XYZ(16.4973, 17.0433, 20.9999)

Have a look what the booklet for
XYZ(16.4973, 17.0433, 20.9999)
contains.

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Color

**XYZ(16.5319, 17.0421,
21.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	72727B
RGB	114, 114, 123
RGB Percent	45%, 45%, 48%
CMY	0.5529, 0.5529, 0.5176
CMYK	0.07, 0.07, 0.00, 0.52
HSL	240°, 4%, 46%
HSV	240°, 7%, 48%
XYZ	16.5319, 17.0421, 21.1570
YIQ	115.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

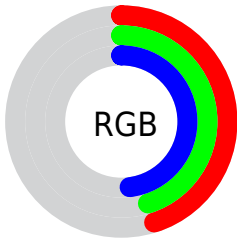
Format	Color
R_{YB}	114, 114, 123
Decimal	7500411
CIE Lab	48.31, 1.89, -4.96
CIE LCh	48, 5.305, 290.892
Yxy	17.0421, 0.3021, 0.3114
Android (android.graphics.Color)	4285690491 (0xFF72727B)
YUV	115.0260, 3.9312, -0.8998
Hunter-Lab	41.2821, -0.7612, -1.4886

Details

The XYZ color **16.5319, 17.0421, 21.1570** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2886, 19.5916, 18.7376**, and the grayscale version is **16.2931, 17.1416, 18.6672**.

A 20% lighter version of the original color is **37.1000, 38.4746, 46.0284**, and **5.4310, 5.5491, 7.2634** is the 20% darker color. If you saturate the color by 10%, you get **13.7433, 13.6823, 20.6557**, and if you desaturate by 10%, it is **19.7232, 20.8873, 21.7313**.

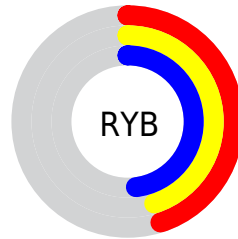
Distribution



Red (45%)

Green (45%)

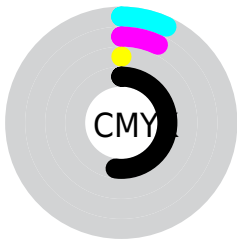
Blue (48%)



Red (45%)

Yellow (45%)

Blue (48%)

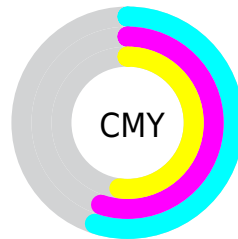


Cyan (7%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (55%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5319, 17.0421, 21.1570 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 16.5319, 17.0421, 21.1570 by changing the saturation by 10% instead.

■ 16.5319, 17.0421,
21.1570

■ 16.5319, 17.0421,
21.1570

225.6694,
235.4149, 270.9201

■ 9.9945, 10.2645,
13.0465

■ 37.0692, 38.3981,
46.2329

■ 5.4576, 5.5747,
7.3294

■ 51.7999, 53.7454,
64.0352

■ 2.5557, 2.5882,
3.5874

■ 69.9924, 72.7180,
85.9053

■ 0.9234, 0.9208,
1.4018

■ 92.0120, 95.7003,
112.2617

■ 0.0000, 0.0000,
0.1432

118.2242,
123.0768, 143.5227

■ 0.0000, 0.0000,
0.0000

148.9943,

155.2317, 180.1072

184.6875,
192.5497, 222.4334

■ 16.5319, 17.0421,
21.1570

■ 16.5319, 17.0421,
21.1570

■ 13.7433, 13.6823,
20.6557

■ 19.7232, 20.8873,
21.7313

■ 11.3400, 10.7866,
20.2235

■ 23.3307, 25.2339,
22.3801

■ 9.3055, 8.3352,
19.8575

■ 27.3692, 30.0997,
23.1064

■ 7.6215, 6.3062,
19.5546

■ 31.8523, 35.5011,
23.9127

■ 6.2684, 4.6757,
19.3112

■ 36.7929, 41.4537,
24.8013

■ 5.2242, 3.4175,
19.1234

■ 42.2035, 47.9726,
25.7744

■ 4.4647, 2.5022,
18.9868

■ 48.0961, 55.0721,
26.8342

■ 3.9619, 1.8962,
18.8963

■ 54.4822, 62.7663,
27.9827

■ 3.6526, 1.5235,
18.8407

■ 61.3730, 71.0684,
29.2220

Harmonies

Analogous

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



16.0512, 17.0421, 21.3118



16.5319, 17.0421, 21.1570



16.9304, 17.0421, 20.2871

Triad

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



16.5319, 17.0421, 21.1570



16.7917, 17.0421, 16.5651



15.2970, 17.0421, 18.1376

Complementary

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



16.5319, 17.0421, 21.1570



18.2886, 19.5916, 18.7376

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.



15.4871, 17.0421, 16.9262



16.5319, 17.0421, 21.1570



16.3457, 17.0421, 16.0485

Square

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



16.5319, 17.0421, 21.1570



17.0824, 17.0421, 17.6223



15.8686, 17.0421, 16.1773



15.3446, 17.0421, 19.5220

Rectangle

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



16.5319, 17.0421, 21.1570



17.0927, 17.0421, 19.4415



15.8686, 17.0421, 16.1773



15.3351, 17.0421, 17.6977

Sweetspot

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



16.5324, 17.0428, 21.1574



32.5234, 34.0353, 38.4119



17.5884, 19.1699, 21.4631



7.6797, 8.0399, 9.0502



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.



16.5324, 17.0428, 21.1574



28.5992, 29.3072, 37.7061



17.1116, 17.3411, 21.1844



3.7977, 3.8937, 4.9946



3.6987, 1.4799, 19.4760



17.6426, 7.0579, 92.9022

Inverse Universe

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



17.2233, 17.4608, 18.3829



30.1394, 30.2390, 31.5216



17.6803, 19.2783, 18.7091



3.9983, 4.0151, 4.1889



8.4503, 4.3563, 0.3962



40.3083, 20.7797, 1.8878

Previews

White Background



This preview shows how the XYZ color 16.5319, 17.0421, 21.1570 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 16.5319, 17.0421, 21.1570 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

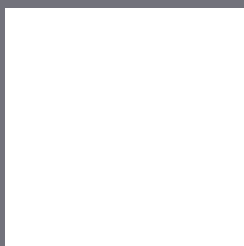
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5319, 17.0421, 21.1570

Background



This preview shows how black text looks on a background with the XYZ color 16.5319, 17.0421, 21.1570.



This preview shows how white text looks on a background with the XYZ color 16.5319, 17.0421,

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

16.5319, 17.0421, 21.1570

Protanopia

16.5319, 17.0421, 21.1570

Deuteranopia

17.3486, 16.9617, 21.4283



Tritanopia

16.5319, 17.0421, 21.1570

Trichromacy



Original Color

16.5319, 17.0421, 21.1570

Protanomaly

16.5319, 17.0421, 21.1570

Deuteranomaly

17.0400, 16.9655, 21.4453

Tritanomaly

16.5319, 17.0421, 21.1570

Monochromacy



Original Color

16.5319, 17.0421, 21.1570

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.4710, 17.2143, 19.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5319, 17.0421, 21.1570 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(114, 114, 123)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 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(114, 114, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 114, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.5319, 17.0421, 21.1570 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(114, 114, 123) }
```


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

```
.border{ border-color:rgb(114, 114, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 114, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 114, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 114, 123);  
box-shadow:4px 4px 4px 4px rgb(114, 114,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5319, 17.0421, 21.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 114, 123) }
```

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

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