

Converting Colors

XYZ(16.8232, 17.3400, 21.1187)

Have a look what the booklet for
XYZ(16.8232, 17.3400, 21.1187)
contains.

XYZ(16.9083, 17.4045, 21.2071)	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(16.9083, 17.4045,
21.2071)**

Conversions

Conversions Part 1

Format	Color
Hex	74737B
RGB	116, 115, 123
RGB Percent	45%, 45%, 48%
CMY	0.5451, 0.5490, 0.5176
CMYK	0.06, 0.07, 0.00, 0.52
HSL	247°, 3%, 47%
HSV	247°, 7%, 48%
XYZ	16.9083, 17.4045, 21.2071
YIQ	116.2110, -1.9720, 2.7000

Conversions

Conversions Part 2

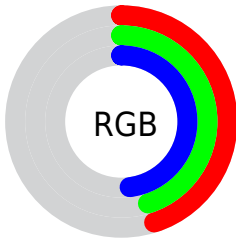
Format	Color
R_{YB}	116, 115, 123
Decimal	7631739
CIE _{Lab}	48.77, 2.04, -4.27
CIE _{LCh}	49, 4.731, 295.584
Y _{xy}	17.4045, 0.3045, 0.3135
Android (android.graphics.Color)	4285821819 (0xFF74737B)
Y _{UV}	116.2110, 3.3470, -0.1850
Hunter-Lab	41.7187, -0.6629, -0.9361

Details

The XYZ color **16.9083, 17.4045, 21.2071** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2042, 19.5417, 19.0330**, and the grayscale version is **16.6560, 17.5235, 19.0830**.

A 20% lighter version of the original color is **37.7050, 39.0574, 46.1090**, and **5.6271, 5.7377, 7.2895** is the 20% darker color. If you saturate the color by 10%, you get **14.2493, 14.0891, 20.7076**, and if you desaturate by 10%, it is **19.9213, 21.1813, 21.7776**.

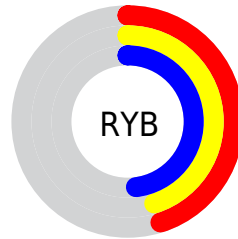
Distribution



Red (45%)

Green (45%)

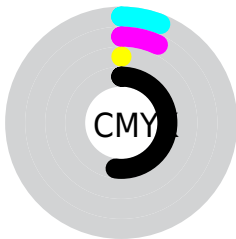
Blue (48%)



Red (45%)

Yellow (45%)

Blue (48%)

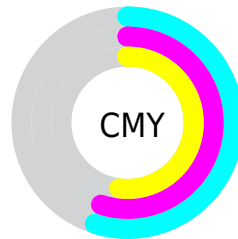


Cyan (6%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (55%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9083, 17.4045, 21.2071 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 16.9083, 17.4045, 21.2071 by changing the saturation by 10% instead.

■ 16.9083, 17.4045,
21.2071

■ 16.9083, 17.4045,
21.2071

227.8099,
237.4927, 271.1942

■ 10.2640, 10.5233,
13.0828

■ 37.7129, 39.0200,
46.3172

■ 5.6380, 5.7473,
7.3542

■ 52.6039, 54.5230,
64.1401

■ 2.6648, 2.6920,
3.6028

■ 70.9746, 73.6688,
86.0328

■ 0.9791, 0.9731,
1.4101

■ 93.1903, 96.8417,
112.4140

■ 0.0000, 0.0000,
0.1495

119.6163,
124.4262, 143.7022

■ 0.0000, 0.0000,
0.0000

150.6180,

156.8066, 180.3160

186.5608,
194.3673, 222.6738

■ 16.9083, 17.4045,
21.2071

■ 16.9083, 17.4045,
21.2071

■ 14.2493, 14.0891,
20.7076

■ 19.9213, 21.1813,
21.7776

■ 11.9299, 11.2151,
20.2751

■ 23.2992, 25.4338,
22.4203

■ 9.9367, 8.7647,
19.9072

■ 27.0542, 30.1787,
23.1383

■ 8.2550, 6.7176,
19.6007

■ 31.1974, 35.4310,
23.9337

■ 6.8689, 5.0521,
19.3522

■ 35.7396, 41.2053,
24.8089

■ 5.7611, 3.7445,
19.1582

■ 40.6912, 47.5153,
25.7658

■ 4.9125, 2.7681,
19.0145

■ 46.0620, 54.3744,
26.8067

■ 4.3014, 2.0929,
18.9164

■ 51.8616, 61.7955,
27.9335

■ 3.8927, 1.6631,
18.8550

■ 58.0993, 69.7911,
29.1480

Harmonies

Analogous

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



16.4778, 17.4045, 21.4549



16.9083, 17.4045, 21.2071



17.2460, 17.4045, 20.3448

Triad

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



16.9083, 17.4045, 21.2071



17.0224, 17.4045, 17.0322



15.7180, 17.4045, 18.7657

Complementary

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



16.9083, 17.4045, 21.2071



18.2042, 19.5417, 19.0330

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.



15.8583, 17.4045, 17.6215



16.9083, 17.4045, 21.2071



16.6073, 17.4045, 16.6491

Square

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



16.9083, 17.4045, 21.2071



17.3127, 17.4045, 17.9293



16.1819, 17.4045, 16.8600



15.7954, 17.4045, 20.0098

Rectangle

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



16.9083, 17.4045, 21.2071



17.3704, 17.4045, 19.5566



16.1819, 17.4045, 16.8600



15.7412, 17.4045, 18.3572

Sweetspot

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



16.9088, 17.4052, 21.2075



32.6019, 34.0756, 38.4156



17.6136, 19.0108, 21.4802



7.6969, 8.0487, 9.0510



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.



16.9088, 17.4052, 21.2075



29.4283, 30.1048, 37.8164



17.4429, 17.6806, 21.2325



3.8399, 3.9153, 4.9965



3.9052, 1.5860, 19.4856



18.2223, 7.3560, 92.9292

Inverse Universe

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



17.8126, 17.8783, 20.9253



31.4478, 31.1621, 37.1794



17.6583, 19.2603, 19.0074



4.1340, 4.0693, 4.9033



11.2299, 5.4681, 15.0332



53.3526, 25.9974, 70.5781

Previews

White Background



This preview shows how the XYZ color 16.9083, 17.4045, 21.2071 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 16.9083, 17.4045, 21.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

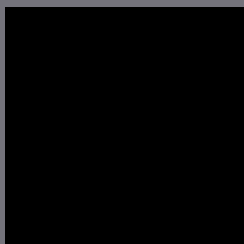
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

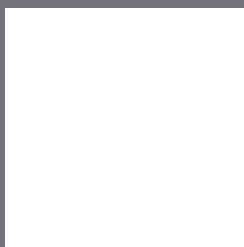
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9083, 17.4045, 21.2071

Background



This preview shows how black text looks on a background with the XYZ color 16.9083, 17.4045, 21.2071.



This preview shows how white text looks on a background with the XYZ color 16.9083, 17.4045,

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

16.9083, 17.4045, 21.2071

Protanopia

16.9083, 17.4045, 21.2071

Deuteranopia

17.7444, 17.3287, 21.4783



Tritanopia

16.9713, 17.4297, 21.5386

Trichromacy



Original Color

16.9083, 17.4045, 21.2071

Protanomaly

16.9083, 17.4045, 21.2071

Deuteranomaly

17.4284, 17.3304, 21.4953

Tritanomaly

16.9713, 17.4297, 21.5386

Monochromacy



Original Color

16.9083, 17.4045, 21.2071

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.7776, 17.5357, 19.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9083, 17.4045, 21.2071 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(116, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(116, 115, 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(116, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 115, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.9083, 17.4045, 21.2071 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(116, 115, 123) }
```


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

```
.border{ border-color:rgb(116, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(116, 115,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9083, 17.4045, 21.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 115, 123) }
```

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

```
.background{ background-color: rgb(116,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor