

Converting Colors

XYZ(16.4610, 17.8232, 21.4031)

Have a look what the booklet for
XYZ(16.4610, 17.8232, 21.4031)
contains.

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Color

**XYZ(16.4787, 17.8749,
21.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	6D777B
RGB	109, 119, 123
RGB Percent	43%, 47%, 48%
CMY	0.5725, 0.5333, 0.5176
CMYK	0.11, 0.03, 0.00, 0.52
HSL	197°, 6%, 45%
HSV	197°, 11%, 48%
XYZ	16.4787, 17.8749, 21.3206
YIQ	116.4660, -7.2440, -0.8760

Conversions

Conversions Part 2

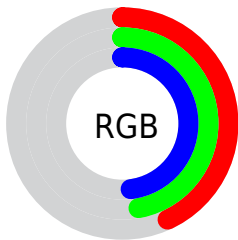
Format	Color
R_{YB}	109, 115, 123
Decimal	7174011
CIE Lab	49.34, -2.85, -3.48
CIE LCh	49, 4.496, 230.637
Yxy	17.8749, 0.2960, 0.3211
Android (android.graphics.Color)	4285364091 (0xFF6D777B)
YUV	116.4660, 3.2213, -6.5477
Hunter-Lab	42.2787, -4.4150, -0.3041

Details

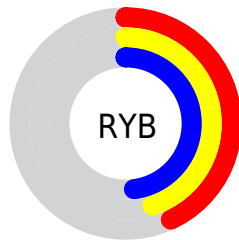
The XYZ color **16.4787, 17.8749, 21.3206** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.8341, 17.1255, 16.8868**, and the grayscale version is **16.7360, 17.6076, 19.1747**.

A 20% lighter version of the original color is **36.9987, 39.7980, 46.2892**, and **5.4137, 5.9930, 7.3500** is the 20% darker color. If you saturate the color by 10%, you get **14.6599, 16.3285, 21.1183**, and if you desaturate by 10%, it is **18.5258, 19.5629, 21.5388**.

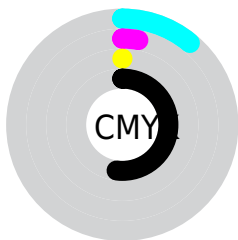
Distribution



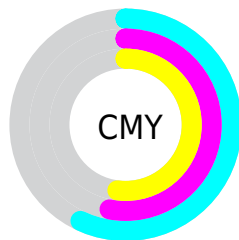
- Red (43%)
- Green (47%)
- Blue (48%)



- Red (43%)
- Yellow (45%)
- Blue (48%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (52%)



- Cyan (57%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4787, 17.8749, 21.3206 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 16.4787, 17.8749, 21.3206 by changing the saturation by 10% instead.

■ 16.4787, 17.8749,
21.3206

■ 16.4787, 17.8749,
21.3206

225.3654,
240.1650, 271.8142

■ 9.9565, 10.8602,
13.1650

■ 36.9781, 39.8240,
46.5082

■ 5.4322, 5.9729,
7.4102

■ 51.6859, 55.5273,
64.3773

■ 2.5403, 2.8286,
3.6376

■ 69.8531, 74.8955,
86.3213

■ 0.9156, 1.0429,
1.4287

■ 91.8449, 98.3131,
112.7588

■ 0.0000, 0.0000,
0.1640

118.0266,
126.1644, 144.1083

■ 0.0000, 0.0000,
0.0000

148.7637,

158.8339, 180.7883

184.4215,
196.7060, 223.2175

■ 16.4787, 17.8749,
21.3206

■ 16.4787, 17.8749,
21.3206

■ 14.6599, 16.3285,
21.1183

■ 18.5258, 19.5629,
21.5388

■ 13.0590, 14.9166,
20.9301

■ 20.8079, 21.3948,
21.7721

■ 11.6668, 13.6348,
20.7561

■ 23.3337, 23.3758,
22.0214

■ 10.4732, 12.4775,
20.5956

■ 26.1106, 25.5098,
22.2869

■ 9.4669, 11.4388,
20.4482

■ 29.1460, 27.8010,
22.5692

■ 8.6357, 10.5120,
20.3131

■ 32.4466, 30.2531,
22.8685

■ 7.9656, 9.6897,
20.1897

■ 36.0193, 32.8697,
23.1853

■ 7.4403, 8.9632,
20.0771

■ 39.8704, 35.6545,
23.5198

■ 7.0542, 8.3881,
19.9865

■ 44.0061, 38.6107,
23.8724

Harmonies

Analogous

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



16.2394, 17.8749, 20.2957



16.4787, 17.8749, 21.3206



16.8575, 17.8749, 21.8538

Triad

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



16.4787, 17.8749, 21.3206



17.8051, 17.8749, 19.8443



16.7044, 17.8749, 17.3624

Complementary

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



16.4787, 17.8749, 21.3206



16.8341, 17.1255, 16.8868

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.



17.1223, 17.8749, 17.2528



16.4787, 17.8749, 21.3206



17.7625, 17.8749, 18.6529

Square

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



16.4787, 17.8749, 21.3206



17.6265, 17.8749, 20.9784



17.5109, 17.8749, 17.7160



16.3682, 17.8749, 18.0219

Rectangle

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



16.4787, 17.8749, 21.3206



17.1402, 17.8749, 21.8440



17.5109, 17.8749, 17.7160



16.8398, 17.8749, 17.2611

Sweetspot

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



16.4792, 17.8756, 21.3210



32.5249, 34.5023, 38.5020



16.3688, 18.6090, 18.3426



7.5951, 8.0727, 9.0609



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.



16.4792, 17.8756, 21.3210



28.5027, 31.1636, 38.0695



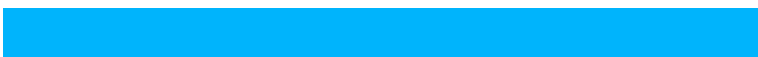
15.6801, 16.2774, 21.0546



4.0149, 4.3282, 5.0670



7.2927, 8.6678, 20.6740



34.0332, 39.8390, 98.3657

Inverse Universe

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



16.9673, 16.4806, 19.7404



29.5904, 28.1040, 34.5357



17.6415, 18.7404, 17.1559



4.1080, 4.0589, 4.7663



10.2643, 5.0819, 9.9489



48.5815, 24.0890, 45.4539

Previews

White Background



This preview shows how the XYZ color 16.4787, 17.8749, 21.3206 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 16.4787, 17.8749, 21.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

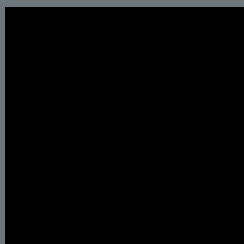
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

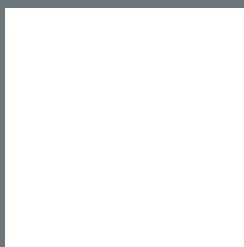
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4787, 17.8749, 21.3206

Background



This preview shows how black text looks on a background with the XYZ color 16.4787, 17.8749, 21.3206.



This preview shows how white text looks on a background with the XYZ color 16.4787, 17.8749,

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

16.4787, 17.8749, 21.3206

Protanopia

17.1678, 17.7228, 20.6052

Deuteranopia

18.1129, 17.8498, 21.5595



Tritanopia

16.8051, 17.8304, 22.9780

Trichromacy



Original Color

16.4787, 17.8749, 21.3206

Protanomaly

16.9444, 17.7726, 20.9497

Deuteranomaly

17.4912, 17.8680, 21.5958

Tritanomaly

16.6747, 17.7782, 22.2914

Monochromacy



Original Color

16.4787, 17.8749, 21.3206

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5011, 17.5652, 19.9735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4787, 17.8749, 21.3206 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(109, 119, 123) looks like.

```
.text, #text, p{  
    color:rgb(109, 119, 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(109, 119, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 119, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.4787, 17.8749, 21.3206 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(109, 119, 123) }
```


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

```
.border{ border-color:rgb(109, 119, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 119, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 119, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 119, 123);  
box-shadow:4px 4px 4px 4px rgb(109, 119,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4787, 17.8749, 21.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 119, 123) }
```

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

```
.background{ background-color: rgb(109,  
119, 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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