

Converting Colors

XYZ(12.8630, 17.1644, 21.6726)

Have a look what the booklet for
XYZ(12.8630, 17.1644, 21.6726)
contains.

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Color

**XYZ(12.8352, 17.0831,
21.6897)**

Conversions

Conversions Part 1

Format	Color
Hex	3C7D7C
RGB	60, 125, 124
RGB Percent	24%, 49%, 49%
CMY	0.7647, 0.5098, 0.5137
CMYK	0.52, 0.00, 0.01, 0.51
HSL	179°, 35%, 36%
HSV	179°, 52%, 49%
XYZ	12.8352, 17.0831, 21.6897
YIQ	105.4510, -38.4190, -14.0910

Conversions

Conversions Part 2

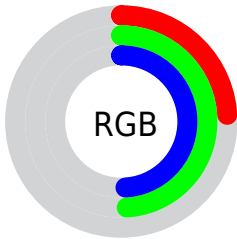
Format	Color
R_{YB}	60, 93, 125
Decimal	3964284
CIE _{Lab}	48.36, -20.91, -5.83
CIE _{LCh}	48, 21.709, 195.582
Yxy	17.0831, 0.2487, 0.3310
Android (android.graphics.Color)	4282154364 (0xFF3C7D7C)
YUV	105.4510, 9.1447, -39.8605
Hunter-Lab	41.3317, -16.8989, -2.1815




Details

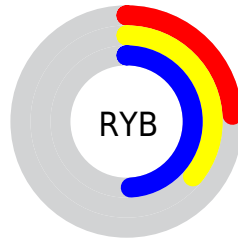
The XYZ color **12.8352, 17.0831, 21.6897** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9162, 7.9292, 5.3706**, and the grayscale version is **13.5335, 14.2383, 15.5055**.




A 20% lighter version of the original color is **30.5669, 38.4861, 46.8918**, and **3.8544, 5.6769, 7.5492** is the 20% darker color. If you saturate the color by 10%, you get **12.1555, 16.7345, 21.5948**, and if you desaturate by 10%, it is **13.6944, 17.5250, 21.7939**.

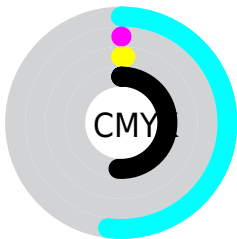
Distribution







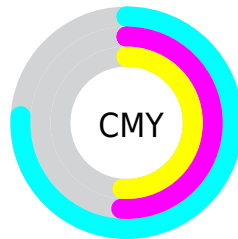
-  Red (24%)
-  Green (49%)
-  Blue (49%)






-  Red (24%)
-  Yellow (36%)
-  Blue (49%)



-  Cyan (52%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (51%)



-  Cyan (76%)
-  Magenta (51%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8352, 17.0831, 21.6897 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 12.8352, 17.0831, 21.6897 by changing the saturation by 10% instead.

■ 12.8352, 17.0831,
21.6897

■ 12.8352, 17.0831,
21.6897

■ 203.5178,
235.6508, 273.8219

■ 7.3914, 10.2938,
13.4329

■ 30.6112, 38.4686,
47.1282

■ 3.7565, 5.5942,
7.5931

■ 43.6742, 53.8335,
65.1470

■ 1.5653, 2.5999,
3.7517

■ 60.0075, 72.8258,
87.2569

■ 0.3697, 0.9266,
1.4901

■ 79.9766, 95.8298,
113.8765

■ 0.0000, 0.0000,
0.2106

■ 103.9468,
123.2299, 145.4242

■ 0.0000, 0.0000,
0.0000

132.2835,

155.4105, 182.3187

165.3521,
192.7560, 224.9784

■ 12.8352, 17.0831,
21.6897

■ 12.8352, 17.0831,
21.6897

■ 12.1555, 16.7345,
21.5948

■ 13.6944, 17.5250,
21.7939

■ 11.6410, 16.4707,
21.5073

■ 14.7431, 18.0642,
21.9067

■ 11.2777, 16.2848,
21.4271

■ 15.9923, 18.7068,
22.0291

■ 11.0487, 16.1681,
21.3532

■ 17.4519, 19.4578,
22.1614

■ 10.9138, 16.0997,
21.2965

■ 19.1309, 20.3220,
22.3040

■ 21.0379, 21.3037,
22.4575

■ 23.1812, 22.4071,
22.6222

■ 25.5684, 23.6364,
22.7984

■ 28.2069, 24.9952,
22.9865

Harmonies

Analogous

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



12.8181, 17.0831, 16.0128



12.8352, 17.0831, 21.6897



13.7127, 17.0831, 27.5378

Triad

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



12.8352, 17.0831, 21.6897



19.1145, 17.0831, 27.3346



17.2047, 17.0831, 9.9047

Complementary

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



12.8352, 17.0831, 21.6897



10.9162, 7.9292, 5.3706

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.



19.0535, 17.0831, 11.8423



12.8352, 17.0831, 21.6897



20.2154, 17.0831, 21.4532

Square

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



12.8352, 17.0831, 21.6897



17.2825, 17.0831, 31.2216



20.1922, 17.0831, 15.8197



15.2345, 17.0831, 9.9425

Rectangle

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



12.8352, 17.0831, 21.6897



14.7117, 17.0831, 30.4162



20.1922, 17.0831, 15.8197



17.8642, 17.0831, 10.3262

Sweetspot

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



12.8357, 17.0838, 21.6901



30.0565, 34.2284, 39.5781



10.0794, 15.9889, 6.8304



6.7392, 7.7355, 8.9937



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.



12.8357, 17.0838, 21.6901



21.6101, 29.8860, 38.6453



9.5315, 10.3735, 20.9026



4.4437, 4.8858, 5.5075



11.3902, 16.8026, 22.2251



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9162, 7.9292, 5.3706



17.7821, 11.6200, 6.0929



13.0505, 12.2405, 5.9503



4.3302, 4.3453, 4.5436



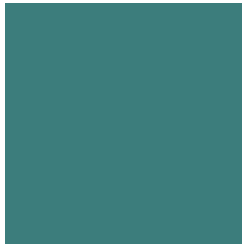
8.8378, 4.5548, 0.4697



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8352, 17.0831, 21.6897 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 12.8352, 17.0831, 21.6897 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 12.8352, 17.0831, 21.6897

Background



This preview shows how black text looks on a background with the XYZ color 12.8352, 17.0831, 21.6897.



This preview shows how white text looks on a background with the XYZ color 12.8352, 17.0831,

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

12.8352, 17.0831, 21.6897

Protanopia

16.2984, 16.9638, 19.2449

Deuteranopia

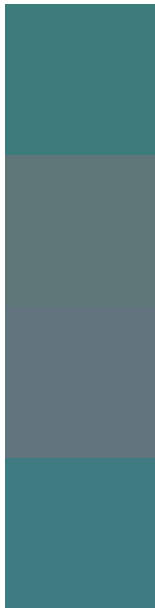
17.1230, 16.8231, 22.4234



Tritanopia

13.5606, 17.1933, 25.1582

Trichromacy



Original Color

12.8352, 17.0831, 21.6897

Protanomaly

14.5879, 16.7458, 20.2327

Deuteranomaly

15.0483, 16.5938, 22.1485

Tritanomaly

13.2235, 17.0511, 23.7133

Monochromacy



Original Color

12.8352, 17.0831, 21.6897

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8386, 14.8820, 17.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8352, 17.0831, 21.6897 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(60, 125, 124)` looks like.

```
.text, #text, p{  
    color:rgb(60, 125, 124)  
}
```

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(60, 125, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 125, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.8352, 17.0831, 21.6897 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(60, 125, 124) }
```


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

```
.border{ border-color:rgb(60, 125, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 125, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 125, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 125, 124);  
box-shadow:4px 4px 4px 4px rgb(60, 125,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8352, 17.0831, 21.6897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 125, 124) }
```

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

```
.background{ background-color: rgb(60, 125,  
124) }
```

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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