

Converting Colors

XYZ(12.8392, 18.7573, 17.1312)

Have a look what the booklet for
XYZ(12.8392, 18.7573, 17.1312)
contains.

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Color

**XYZ(12.8392, 18.7573,
17.1312)**

Conversions

Conversions Part 1

Format	Color
Hex	3A856C
RGB	58, 133, 108
RGB Percent	23%, 52%, 42%
CMY	0.7725, 0.4784, 0.5765
CMYK	0.56, 0.00, 0.19, 0.48
HSL	160°, 39%, 37%
HSV	160°, 56%, 52%
XYZ	12.8392, 18.7573, 17.1312
YIQ	107.7250, -36.6750, -23.6750

Conversions

Conversions Part 2

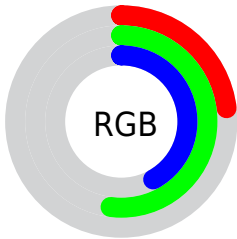
Format	Color
R_{YB}	58, 103, 133
Decimal	3835244
CIE _{Lab}	50.40, -29.67, 6.52
CIE _{LCh}	50, 30.374, 167.613
Yxy	18.7573, 0.2635, 0.3849
Android (android.graphics.Color)	4282025324 (0xFF3A856C)
YUV	107.7250, 0.1356, -43.6088
Hunter-Lab	43.3097, -22.8755, 6.8646

Details

The XYZ color **12.8392, 18.7573, 17.1312** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7478, 8.6376, 9.1795**, and the grayscale version is **14.1843, 14.9230, 16.2511**.

A 20% lighter version of the original color is **30.7104, 41.4886, 39.1904**, and **3.9356, 6.5234, 5.4666** is the 20% darker color. If you saturate the color by 10%, you get **11.9337, 18.3176, 15.8885**, and if you desaturate by 10%, it is **13.9575, 19.3063, 18.4473**.

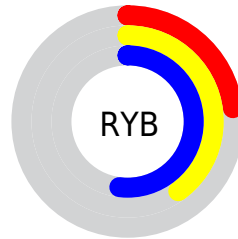
Distribution



Red (23%)

Green (52%)

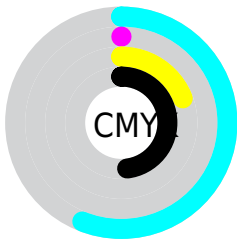
Blue (42%)



Red (23%)

Yellow (40%)

Blue (52%)

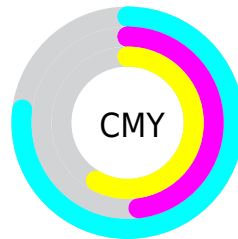


Cyan (56%)

Magenta (0%)

Yellow (19%)

Black (48%)



Cyan (77%)

Magenta (48%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8392, 18.7573, 17.1312 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 12.8392, 18.7573, 17.1312 by changing the saturation by 10% instead.

■ 12.8392, 18.7573,
17.1312

■ 12.8392, 18.7573,
17.1312

203.5430,
245.1056, 247.9968

■ 7.3941, 11.4950,
10.1651

■ 30.6184, 41.3236,
39.3450

■ 3.7583, 6.4008,
5.4015

■ 43.6832, 57.3964,
55.4297

■ 1.5663, 3.0903,
2.4219

■ 60.0187, 77.1749,
75.3911

■ 0.3703, 1.1791,
0.7983

■ 79.9901, 101.0434,
99.6477

■ 0.0000, 0.0445,
0.0000

■ 103.9630,
129.3863, 128.6181

■ 0.0000, 0.0000,
0.0000

■ 132.3025,

162.5881, 162.7207

165.3740,
201.0330, 202.3741

■ 12.8392, 18.7573,
17.1312

■ 12.8392, 18.7573,
17.1312

■ 11.9337, 18.3176,
15.8885

■ 13.9575, 19.3063,
18.4473

■ 11.2236, 17.9767,
14.7163

■ 15.3013, 19.9697,
19.8371

■ 10.6912, 17.7261,
13.6132

■ 16.8841, 20.7549,
21.3026

■ 10.3048, 17.5494,
12.5768

■ 18.7178, 21.6679,
22.8451

■ 10.1771, 17.4914,
12.2177

■ 20.8135, 22.7146,
24.4660

■ 23.1818, 23.9003,
26.1667

■ 25.8324, 25.2301,
27.9484

■ 28.7747, 26.7087,
29.8123

■ 32.0177, 28.3408,
31.7597

Harmonies

Analogous

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



13.9560, 18.7573, 11.3082



12.8392, 18.7573, 17.1312



12.9471, 18.7573, 25.7477

Triad

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



12.8392, 18.7573, 17.1312



19.6015, 18.7573, 40.1651



21.9349, 18.7573, 10.6161

Complementary

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



12.8392, 18.7573, 17.1312



12.7478, 8.6376, 9.1795

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.



23.8038, 18.7573, 15.8891



12.8392, 18.7573, 17.1312



22.3578, 18.7573, 33.4587

Square

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



12.8392, 18.7573, 17.1312



16.6382, 18.7573, 40.7703



23.9666, 18.7573, 24.1127



19.0737, 18.7573, 8.3053

Rectangle

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



12.8392, 18.7573, 17.1312



13.6994, 18.7573, 32.0379



23.9666, 18.7573, 24.1127



22.7130, 18.7573, 12.0221

Sweetspot

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



12.8397, 18.7580, 17.1316



33.1708, 38.6280, 40.6281



12.8304, 18.9777, 6.9900



7.3460, 8.6392, 9.0492



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8397, 18.7580, 17.1316



20.9325, 32.5907, 27.7762



12.9080, 16.4514, 24.6863



4.7374, 5.2532, 5.6282



9.6973, 16.6618, 11.6573



0.0370, 0.0591, 0.0583

Inverse Universe

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



12.7478, 8.6376, 9.1795



20.7678, 12.5313, 12.1015



12.5807, 9.5795, 5.1892



4.7319, 4.7124, 5.2004



9.6561, 4.9268, 2.7615



0.0366, 0.0183, 0.0260

Previews

White Background



This preview shows how the XYZ color 12.8392, 18.7573, 17.1312 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 12.8392, 18.7573, 17.1312 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 12.8392, 18.7573, 17.1312

Background



This preview shows how black text looks on a background with the XYZ color 12.8392, 18.7573, 17.1312.



This preview shows how white text looks on a background with the XYZ color 12.8392, 18.7573,

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

12.8392, 18.7573, 17.1312

Protanopia

17.5500, 18.5689, 14.9711

Deuteranopia

18.8869, 18.4997, 17.9046



Tritanopia

14.8944, 18.7935, 27.2686

Trichromacy



Original Color

12.8392, 18.7573, 17.1312

Protanomaly

15.0732, 18.1815, 15.8116

Deuteranomaly

15.7726, 18.1309, 17.7072

Tritanomaly

13.9933, 18.6138, 23.2774

Monochromacy



Original Color

12.8392, 18.7573, 17.1312

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2845, 15.9789, 16.5714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8392, 18.7573, 17.1312 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(58, 133, 108)` looks like.

```
.text, #text, p{  
    color:rgb(58, 133, 108)  
}
```

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(58, 133, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 133, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.8392, 18.7573, 17.1312 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(58, 133, 108) }
```


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

```
.border{ border-color:rgb(58, 133, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 133, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 133, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 133, 108);  
box-shadow:4px 4px 4px 4px rgb(58, 133,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8392, 18.7573, 17.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 133, 108) }
```

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

```
.background{ background-color: rgb(58, 133,  
108) }
```

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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