

Converting Colors

XYZ(18.8412, 22.4410, 37.9888)

Have a look what the booklet for
XYZ(18.8412, 22.4410, 37.9888)
contains.

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Color

**XYZ(18.8412, 22.4410,
37.9888)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8AA3
RGB	78, 138, 163
RGB Percent	31%, 54%, 64%
CMY	0.6941, 0.4588, 0.3608
CMYK	0.52, 0.15, 0.00, 0.36
HSL	198°, 35%, 47%
HSV	198°, 52%, 64%
XYZ	18.8412, 22.4410, 37.9888
YIQ	122.9100, -43.7850, -4.9450

Conversions

Conversions Part 2

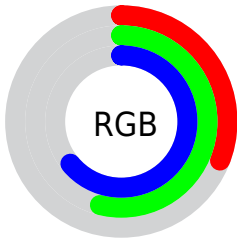
Format	Color
R_{YB}	78, 113, 163
Decimal	5147299
CIE _{Lab}	54.49, -12.31, -19.26
CIE _{LCh}	54, 22.856, 237.421
Yxy	22.4410, 0.2377, 0.2831
Android (android.graphics.Color)	4283337379 (0xFF4E8AA3)
YUV	122.9100, 19.7644, -39.3861
Hunter-Lab	47.3719, -11.9062, -14.3859

Details

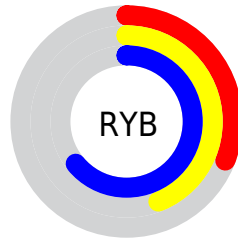
The XYZ color **18.8412, 22.4410, 37.9888** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3302, 18.0377, 9.5658**, and the grayscale version is **18.7450, 19.7212, 21.4764**.

A 20% lighter version of the original color is **40.9586, 47.3101, 73.3027**, and **6.5727, 8.2373, 16.2825** is the 20% darker color. If you saturate the color by 10%, you get **16.9951, 20.4911, 37.7101**, and if you desaturate by 10%, it is **21.0501, 24.6240, 38.2941**.

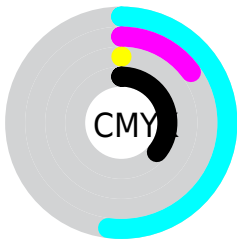
Distribution



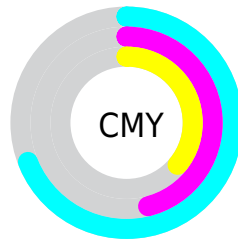
- Red (31%)
- Green (54%)
- Blue (64%)



- Red (31%)
- Yellow (44%)
- Blue (64%)



- Cyan (52%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (69%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8412, 22.4410, 37.9888 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 18.8412, 22.4410, 37.9888 by changing the saturation by 10% instead.

■ 18.8412, 22.4410,
37.9888

■ 18.8412, 22.4410,
37.9888

238.5257,
264.8407, 352.8687

■ 11.6589, 14.1813,
25.6722

■ 40.9845, 47.4738,
73.2942

■ 6.5824, 8.2469,
16.3550

■ 56.6763, 65.0157,
97.1201

■ 3.2463, 4.2533,
9.6187

■ 75.9353, 86.4204,
125.6196

■ 1.2853, 1.8163,
5.0446

■ 99.1268, 112.0724,
159.2111

■ 0.1722, 0.4973,
2.2142

■ 126.6163,
142.3560, 198.3132

■ 0.0000, 0.0000,
0.6826

158.7690,

■ 0.0000, 0.0000,

177.6557, 243.3445

0.0000

195.9503,
218.3558, 294.7235

■ 18.8412, 22.4410,
37.9888

■ 18.8412, 22.4410,
37.9888

■ 16.9951, 20.4911,
37.7101

■ 21.0501, 24.6240,
38.2941

■ 15.4843, 18.7581,
37.4553

■ 23.6425, 27.0497,
38.6257

■ 14.2807, 17.2274,
37.2232

■ 26.6397, 29.7305,
38.9852

■ 13.3502, 15.8808,
37.0124

■ 30.0611, 32.6766,
39.3735

■ 12.7486, 14.9197,
36.8586

■ 33.9246, 35.8979,
39.7917

■ 38.2471, 39.4036,
40.2405

■ 43.0446, 43.2024,
40.7209

■ 48.3321, 47.3028,
41.2337

■ 54.1243, 51.7126,
41.7796

Harmonies

Analogous

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



17.3358, 22.4410, 31.3487



18.8412, 22.4410, 37.9888



21.1136, 22.4410, 40.9552

Triad

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



18.8412, 22.4410, 37.9888



26.5085, 22.4410, 25.0600



19.1887, 22.4410, 14.1269

Complementary

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



18.8412, 22.4410, 37.9888



21.3302, 18.0377, 9.5658

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.



21.5468, 22.4410, 13.0882



18.8412, 22.4410, 37.9888



25.8938, 22.4410, 18.6198

Square

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



18.8412, 22.4410, 37.9888



25.6481, 22.4410, 32.6344



24.0278, 22.4410, 14.5617



17.5251, 22.4410, 17.7378

Rectangle

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



18.8412, 22.4410, 37.9888



22.8033, 22.4410, 40.0888



24.0278, 22.4410, 14.5617



19.9206, 22.4410, 13.5003

Sweetspot

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



18.8419, 22.4418, 37.9893



51.1985, 56.2713, 70.2191



18.6421, 28.7755, 17.1645



11.2312, 12.4077, 15.7405



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.8419, 22.4418, 37.9893



29.8421, 36.0390, 67.4395



13.9744, 12.7068, 36.3668



7.0994, 7.6577, 9.0070



9.9485, 11.6765, 28.6592



0.2468, 0.3209, 0.6148

Inverse Universe

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



22.4167, 15.0710, 25.7731



37.2852, 22.4333, 41.6133



26.5418, 28.4608, 11.3030



7.2751, 7.1665, 8.4352



14.1670, 7.0229, 13.3361



0.3168, 0.1552, 0.3806

Previews

White Background



This preview shows how the XYZ color 18.8412, 22.4410, 37.9888 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 18.8412, 22.4410, 37.9888 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 18.8412, 22.4410, 37.9888

Background



This preview shows how black text looks on a background with the XYZ color 18.8412, 22.4410, 37.9888.



This preview shows how white text looks on a background with the XYZ color 18.8412, 22.4410,

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

18.8412, 22.4410, 37.9888

Protanopia

22.1632, 22.3859, 34.6053

Deuteranopia

22.6931, 22.1804, 38.6825



Tritanopia

17.7880, 22.4464, 32.6732

Trichromacy



Original Color

18.8412, 22.4410, 37.9888

Protanomaly

20.5727, 22.1315, 35.9884

Deuteranomaly

20.8805, 22.0387, 38.2753

Tritanomaly

18.0507, 22.3277, 34.3686

Monochromacy



Original Color

18.8412, 22.4410, 37.9888

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.3700, 20.3991, 27.0140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8412, 22.4410, 37.9888 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(78, 138, 163)` looks like.

```
.text, #text, p{  
    color:rgb(78, 138, 163)  
}
```

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(78, 138, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 138, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.8412, 22.4410, 37.9888 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(78, 138, 163) }
```


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

```
.border{ border-color:rgb(78, 138, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 138, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 138, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 138, 163);  
box-shadow:4px 4px 4px 4px rgb(78, 138,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8412, 22.4410, 37.9888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 138, 163) }
```

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

```
.background{ background-color: rgb(78, 138,  
163) }
```

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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