

Converting Colors

XYZ(10.4850, 12.9793, 8.0513)

Have a look what the booklet for
XYZ(10.4850, 12.9793, 8.0513)
contains.

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Color

**XYZ(10.4436, 12.8998,
8.0704)**

Conversions

Conversions Part 1

Format	Color
Hex	596A48
RGB	89, 106, 72
RGB Percent	35%, 42%, 28%
CMY	0.6510, 0.5843, 0.7176
CMYK	0.16, 0.00, 0.32, 0.58
HSL	90°, 19%, 35%
HSV	90°, 32%, 42%
XYZ	10.4436, 12.8998, 8.0704
YIQ	97.0410, 0.7820, -14.1780

Conversions

Conversions Part 2

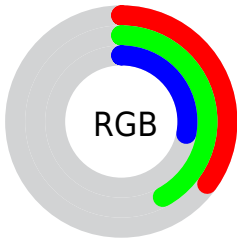
Format	Color
R_{YB}	72, 106, 89
Decimal	5859912
CIE _{Lab}	42.61, -13.15, 17.04
CIE _{LCh}	43, 21.529, 127.663
Yxy	12.8998, 0.3325, 0.4106
Android (android.graphics.Color)	4284049992 (0xFF596A48)
YUV	97.0410, -12.3452, -7.0520
Hunter-Lab	35.9163, -10.9500, 11.8189

Details

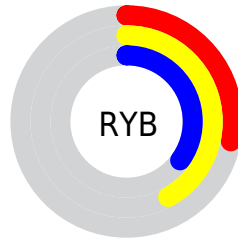
The XYZ color **10.4436, 12.8998, 8.0704** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0392, 7.7996, 14.6654**, and the grayscale version is **11.4019, 11.9957, 13.0633**.

A 20% lighter version of the original color is **26.1556, 30.9834, 22.6910**, and **2.7698, 3.7254, 1.6717** is the 20% darker color. If you saturate the color by 10%, you get **9.6368, 12.5209, 6.3806**, and if you desaturate by 10%, it is **11.3473, 13.3226, 10.0766**.

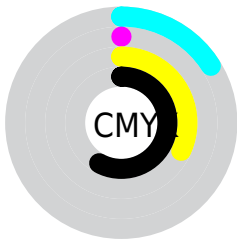
Distribution



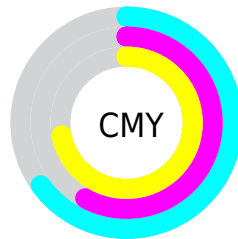
- Red (35%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (35%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (58%)



- Cyan (65%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4436, 12.8998, 8.0704 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 10.4436, 12.8998, 8.0704 by changing the saturation by 10% instead.

■ 10.4436, 12.8998,
8.0704

■ 10.4436, 12.8998,
8.0704

187.7977,
210.2745, 186.2383

■ 5.7586, 7.3596,
4.0516

■ 26.2688, 31.1237,
22.6448

■ 2.7381, 3.6880,
1.6537

■ 38.1396, 44.5761,
34.0375

■ 1.0168, 1.5006,
0.3287

■ 53.1364, 61.4347,
48.7252

■ 0.0000, 0.2892,
0.0000

■ 71.6246, 82.0839,
67.1265

■ 0.0000, 0.0000,
0.0000

■ 93.9694, 106.9081,
89.6599

120.5363,

136.2917, 116.7440

151.6906,
170.6190, 148.7973

■ 10.4436, 12.8998,
8.0704

■ 10.4436, 12.8998,
8.0704

■ 9.6368, 12.5209,
6.3806

■ 11.3473, 13.3226,
10.0766

■ 8.9222, 12.1825,
4.9902

■ 12.3506, 13.7891,
12.4135

■ 8.2959, 11.8835,
3.8819

■ 13.4571, 14.3014,
15.0952

■ 7.7535, 11.6220,
3.0363

■ 14.6702, 14.8607,
18.1351

■ 7.2898, 11.3959,
2.4315

■ 15.9927, 15.4684,
21.5457

■ 6.8990, 11.2027,
2.0399

■ 17.4277, 16.1257,
25.3388

■ 6.6224, 11.0654,
1.7868

■ 18.9779, 16.8338,
29.5260

■ 20.6462, 17.5938,
34.1181

■ 22.4349, 18.4070,
39.1256

Harmonies

Analogous

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



11.8476, 12.8998, 6.8951



10.4436, 12.8998, 8.0704



9.5841, 12.8998, 10.9027

Triad

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



10.4436, 12.8998, 8.0704



11.1078, 12.8998, 24.0930



15.6372, 12.8998, 12.8823

Complementary

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



10.4436, 12.8998, 8.0704



9.0392, 7.7996, 14.6654

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.



15.3948, 12.8998, 17.7411



10.4436, 12.8998, 8.0704



12.6836, 12.8998, 24.9533

Square

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



10.4436, 12.8998, 8.0704



9.9431, 12.8998, 20.2759



14.2776, 12.8998, 22.4180



14.9134, 12.8998, 9.2436

Rectangle

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



10.4436, 12.8998, 8.0704



9.3880, 12.8998, 13.6828



14.2776, 12.8998, 22.4180



15.6671, 12.8998, 14.4149

Sweetspot

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



10.4439, 12.9004, 8.0707



22.0105, 24.3550, 22.5865



10.6864, 10.6773, 7.6288



5.1115, 5.6846, 5.1847



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.4439, 12.9004, 8.0707



17.3232, 22.1672, 12.0381



8.9966, 12.1542, 8.0029



3.1947, 3.5121, 3.3270



8.1790, 13.7116, 2.2155



40.6736, 69.3501, 11.2422

Inverse Universe

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



9.0392, 7.7996, 14.6654



14.4673, 11.7969, 25.4456



10.8633, 8.7399, 14.7508



3.0791, 3.0925, 3.8695



5.0117, 2.2107, 17.0848



24.5348, 10.7478, 87.0076

Previews

White Background



This preview shows how the XYZ color 10.4436, 12.8998, 8.0704 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 10.4436, 12.8998, 8.0704 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 10.4436, 12.8998, 8.0704

Background



This preview shows how black text looks on a background with the XYZ color 10.4436, 12.8998, 8.0704.



This preview shows how white text looks on a background with the XYZ color 10.4436, 12.8998,

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

10.4436, 12.8998, 8.0704

Protanopia

11.8470, 12.7447, 7.6299

Deuteranopia

13.0267, 12.7821, 8.2592



Tritanopia

12.0301, 12.7912, 16.3029

Trichromacy



Original Color

10.4436, 12.8998, 8.0704

Protanomaly

11.2555, 12.7244, 7.8241

Deuteranomaly

11.9441, 12.7835, 8.1413

Tritanomaly

11.3752, 12.8203, 12.9414

Monochromacy



Original Color

10.4436, 12.8998, 8.0704

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9347, 12.1986, 11.0108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4436, 12.8998, 8.0704 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(89, 106, 72) looks like.

```
.text, #text, p{  
    color:rgb(89, 106, 72)  
}
```

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(89, 106, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 106, 72) }
```

Border

The CSS property to change the border of an element to XYZ 10.4436, 12.8998, 8.0704 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(89, 106, 72) }
```


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

```
.border{ border-color:rgb(89, 106, 72) }
```

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

Here you see how a box with a 4 pixel rgb(89, 106, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 106, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 106, 72);  
box-shadow:4px 4px 4px 4px rgb(89, 106,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4436, 12.8998, 8.0704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 106, 72) }
```

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

```
.background{ background-color: rgb(89, 106,  
72) }
```

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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