

Converting Colors

XYZ(10.1246, 12.4261, 12.0488)

Have a look what the booklet for
XYZ(10.1246, 12.4261, 12.0488)
contains.

XYZ(10.1252, 12.4956, 12.0034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.1252, 12.4956,
12.0034)**

Conversions

Conversions Part 1

Format	Color
Hex	4E695C
RGB	78, 105, 92
RGB Percent	31%, 41%, 36%
CMY	0.6941, 0.5882, 0.6392
CMYK	0.26, 0.00, 0.12, 0.59
HSL	151°, 15%, 36%
HSV	151°, 26%, 41%
XYZ	10.1252, 12.4956, 12.0034
YIQ	95.4450, -11.9190, -9.7670

Conversions

Conversions Part 2

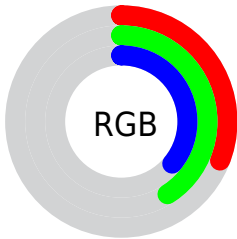
Format	Color
R_{YB}	78, 96, 105
Decimal	5138780
CIE Lab	41.99, -12.95, 4.09
CIE LCh	42, 13.578, 162.469
Yxy	12.4956, 0.2924, 0.3609
Android (android.graphics.Color)	4283328860 (0xFF4E695C)
YUV	95.4450, -1.6984, -15.2993
Hunter-Lab	35.3491, -10.7324, 4.6114

Details

The XYZ color **10.1252, 12.4956, 12.0034** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4388, 9.2076, 11.1251**, and the grayscale version is **10.9904, 11.5627, 12.5918**.

A 20% lighter version of the original color is **25.6730, 30.3191, 30.0902**, and **2.6019, 3.5304, 3.1291** is the 20% darker color. If you saturate the color by 10%, you get **9.1191, 12.0019, 10.8409**, and if you desaturate by 10%, it is **11.2842, 13.0670, 13.2506**.

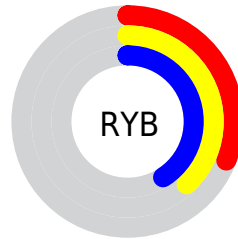
Distribution



Red (31%)

Green (41%)

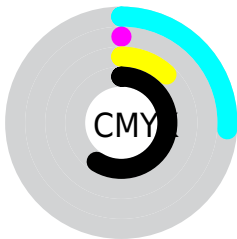
Blue (36%)



Red (31%)

Yellow (38%)

Blue (41%)

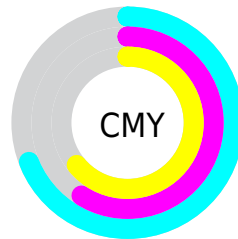


Cyan (26%)

Magenta (0%)

Yellow (12%)

Black (59%)



Cyan (69%)

Magenta (59%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1252, 12.4956, 12.0034 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 10.1252, 12.4956, 12.0034 by changing the saturation by 10% instead.

■ 10.1252, 12.4956,
12.0034

■ 10.1252, 12.4956,
12.0034

185.5983,
207.6592, 215.4065

■ 5.5450, 7.0821,
6.6234

■ 25.6783, 30.3946,
30.1658

■ 2.6084, 3.5135,
3.1529

■ 37.3818, 43.6489,
43.7853

■ 0.9502, 1.4053,
1.1732

■ 52.1905, 60.2856,
60.9884

■ 0.0000, 0.2207,
0.0000

■ 70.4696, 80.6892,
82.1936

■ 0.0000, 0.0000,
0.0000

■ 92.5846, 105.2439,
107.8195

118.9009,

134.3342, 138.2845

149.7836,
168.3445, 174.0074

■ 10.1252, 12.4956,
12.0034

■ 10.1252, 12.4956,
12.0034

■ 9.1191, 12.0019,
10.8409

■ 11.2842, 13.0670,
13.2506

■ 8.2579, 11.5810,
9.7606

■ 12.6014, 13.7179,
14.5833

■ 7.5348, 11.2297,
8.7606

■ 14.0831, 14.4519,
16.0037

■ 6.9418, 10.9437,
7.8392

■ 15.7349, 15.2717,
17.5133

■ 6.4699, 10.7187,
6.9943

■ 17.5623, 16.1802,
19.1138

■ 6.1091, 10.5494,
6.2236

■ 19.5704, 17.1801,
20.8066

■ 5.8369, 10.4242,
5.5243

■ 21.7642, 18.2737,
22.5932

■ 5.7281, 10.3742,
5.2453

■ 24.1483, 19.4636,
24.4752

■ 26.7273, 20.7520,
26.4541

Harmonies

Analogous

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



10.6173, 12.4956, 9.9130



10.1252, 12.4956, 12.0034



10.0855, 12.4956, 14.8377

Triad

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



10.1252, 12.4956, 12.0034



12.2995, 12.4956, 19.7667



13.3622, 12.4956, 10.1959

Complementary

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



10.1252, 12.4956, 12.0034



10.4388, 9.2076, 11.1251

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.



13.8683, 12.4956, 12.4436



10.1252, 12.4956, 12.0034



13.2319, 12.4956, 18.1172

Square

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



10.1252, 12.4956, 12.0034



11.3032, 12.4956, 19.6046



13.8193, 12.4956, 15.3443



12.4692, 12.4956, 8.9752

Rectangle

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



10.1252, 12.4956, 12.0034



10.3176, 12.4956, 16.8033



13.8193, 12.4956, 15.3443



13.5854, 12.4956, 10.8417

Sweetspot

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



10.1255, 12.4961, 12.0037



21.9429, 24.2556, 25.4973



10.7465, 12.8805, 9.1276



5.0730, 5.6487, 5.9056



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.



10.1255, 12.4961, 12.0037



16.9856, 21.8124, 20.1895



10.6980, 12.6519, 15.2435



3.1234, 3.4685, 3.6335



7.2337, 13.1276, 6.5419



36.4178, 66.7142, 31.0110

Inverse Universe

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



10.4388, 9.2076, 11.1251



17.6523, 14.8154, 18.3206



9.9577, 9.0665, 8.4330



3.1548, 3.1388, 3.5454



8.1021, 4.0930, 4.1664



40.8490, 20.6815, 18.9394

Previews

White Background



This preview shows how the XYZ color 10.1252, 12.4956, 12.0034 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 10.1252, 12.4956, 12.0034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

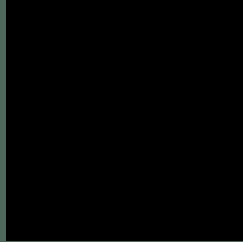
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1252, 12.4956, 12.0034

Background



This preview shows how black text looks on a background with the XYZ color 10.1252, 12.4956, 12.0034.



This preview shows how white text looks on a background with the XYZ color 10.1252, 12.4956,

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

10.1252, 12.4956, 12.0034

Protanopia

11.7644, 12.3402, 11.2130

Deuteranopia

12.5430, 12.3076, 12.3042



Tritanopia

11.1003, 12.4443, 16.8559

Trichromacy



Original Color

10.1252, 12.4956, 12.0034

Protanomaly

11.1152, 12.4252, 11.4853

Deuteranomaly

11.4746, 12.3107, 12.1273

Tritanomaly

10.7423, 12.4493, 14.9335

Monochromacy



Original Color

10.1252, 12.4956, 12.0034

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6020, 11.8557, 12.3193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1252, 12.4956, 12.0034 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, 105, 92)` looks like.

```
.text, #text, p{  
    color:rgb(78, 105, 92)  
}
```

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, 105, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 105, 92) }
```

Border

The CSS property to change the border of an element to XYZ 10.1252, 12.4956, 12.0034 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, 105, 92) }
```


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

```
.border{ border-color:rgb(78, 105, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 105, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 105, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 105, 92);  
box-shadow:4px 4px 4px 4px rgb(78, 105,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1252, 12.4956, 12.0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 105, 92) }
```

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

```
.background{ background-color: rgb(78, 105,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor