

Converting Colors

XYZ(10.0417, 12.2448, 10.3703)

Have a look what the booklet for
XYZ(10.0417, 12.2448, 10.3703)
contains.

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Color

**XYZ(10.0572, 12.1954,
10.4182)**

Conversions

Conversions Part 1

Format	Color
Hex	536755
RGB	83, 103, 85
RGB Percent	33%, 40%, 33%
CMY	0.6745, 0.5961, 0.6667
CMYK	0.19, 0.00, 0.17, 0.60
HSL	126°, 11%, 36%
HSV	126°, 19%, 40%
XYZ	10.0572, 12.1954, 10.4182
YIQ	94.9680, -6.1420, -9.8380

Conversions

Conversions Part 2

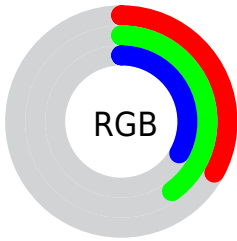
Format	Color
R_{YB}	83, 101, 103
Decimal	5465941
CIE _{Lab}	41.53, -11.46, 7.70
CIE _{LCh}	42, 13.810, 146.087
Yxy	12.1954, 0.3078, 0.3733
Android (android.graphics.Color)	4283656021 (0xFF536755)
YUV	94.9680, -4.9142, -10.4959
Hunter-Lab	34.9219, -9.7069, 6.7574

Details

The XYZ color **10.0572, 12.1954, 10.4182** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0361, 10.0099, 13.6628**, and the grayscale version is **10.8823, 11.4490, 12.4680**.

A 20% lighter version of the original color is **25.6016, 29.8470, 27.3334**, and **2.5965, 3.3936, 2.5257** is the 20% darker color. If you saturate the color by 10%, you get **8.8706, 11.6239, 8.5646**, and if you desaturate by 10%, it is **11.4277, 12.8569, 12.5328**.

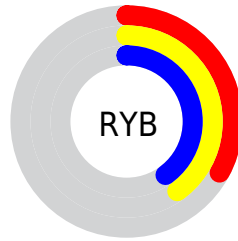
Distribution



Red (33%)

Green (40%)

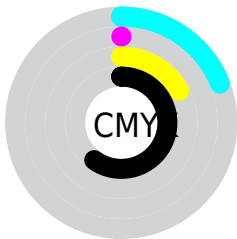
Blue (33%)



Red (33%)

Yellow (40%)

Blue (40%)

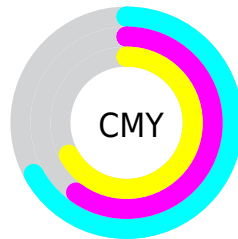


Cyan (19%)

Magenta (0%)

Yellow (17%)

Black (60%)



Cyan (67%)

Magenta (60%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0572, 12.1954, 10.4182 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 10.0572, 12.1954, 10.4182 by changing the saturation by 10% instead.

■ 10.0572, 12.1954,
10.4182

■ 10.0572, 12.1954,
10.4182

185.1249,
205.6946, 204.2234

■ 5.4995, 6.8769,
5.5679

■ 25.5517, 29.8505,
27.1992

■ 2.5809, 3.3852,
2.5197

■ 37.2192, 42.9559,
39.9670

■ 0.9362, 1.3360,
0.8505

■ 51.9874, 59.4257,
56.2110

■ 0.0000, 0.1688,
0.0000

■ 70.2215, 79.6443,
76.3497

■ 0.0000, 0.0000,
0.0000

■ 92.2869, 103.9961,
100.8018

118.5491,

132.8655, 129.9858

149.3733,
166.6369, 164.3201

■ 10.0572, 12.1954,
10.4182

■ 10.0572, 12.1954,
10.4182

■ 8.8706, 11.6239,
8.5646

■ 11.4277, 12.8569,
12.5328

■ 7.8593, 11.1369,
6.9612

■ 12.9886, 13.6104,
14.9173

■ 7.0151, 10.7310,
5.5975

■ 14.7471, 14.4598,
17.5808

■ 6.3290, 10.4018,
4.4619

■ 16.7097, 15.4083,
20.5320

■ 5.7912, 10.1443,
3.5421

■ 18.8827, 16.4589,
23.7793

■ 5.3905, 9.9532,
2.8243

■ 21.2722, 17.6146,
27.3304

■ 5.1144, 9.8224,
2.2934

■ 23.8839, 18.8782,
31.1931

■ 4.9175, 9.7287,
1.9304

■ 26.7233, 20.2523,
35.3747

■ 4.9070, 9.7236,
1.9141

■ 29.7959, 21.7397,
39.8824

Harmonies

Analogous

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



10.7604, 12.1954, 8.8940



10.0572, 12.1954, 10.4182



9.7645, 12.1954, 12.9038

Triad

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



10.0572, 12.1954, 10.4182



11.4597, 12.1954, 19.6169



13.4193, 12.1954, 10.9859

Complementary

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



10.0572, 12.1954, 10.4182



11.0361, 10.0099, 13.6628

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.



13.6330, 12.1954, 13.6608



10.0572, 12.1954, 10.4182



12.4641, 12.1954, 18.9094

Square

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



10.0572, 12.1954, 10.4182



10.5440, 12.1954, 18.4343



13.2741, 12.1954, 16.6201



12.7059, 12.1954, 9.1869

Rectangle

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



10.0572, 12.1954, 10.4182



9.8282, 12.1954, 14.8758



13.2741, 12.1954, 16.6201



13.5537, 12.1954, 11.8002

Sweetspot

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



10.0575, 12.1959, 10.4185



21.3300, 23.4396, 23.7712



11.7789, 13.0924, 10.0899



5.1753, 5.7049, 5.7557



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.



10.0575, 12.1959, 10.4185



17.0645, 21.3820, 17.1859



10.4834, 12.3663, 12.6613



2.8073, 3.1467, 3.0868



6.1655, 12.2298, 2.3669



31.9939, 63.7201, 11.4897

Inverse Universe

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



11.0361, 10.0099, 13.6628



19.1404, 16.7442, 24.0676



10.5755, 9.8256, 11.2369



2.9247, 2.8845, 3.4759



9.4993, 4.6127, 13.2934



49.3612, 23.9845, 68.3708

Previews

White Background



This preview shows how the XYZ color 10.0572, 12.1954, 10.4182 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 10.0572, 12.1954, 10.4182 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

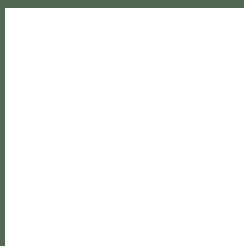
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.0572, 12.1954, 10.4182

Background



This preview shows how black text looks on a background with the XYZ color 10.0572, 12.1954, 10.4182.

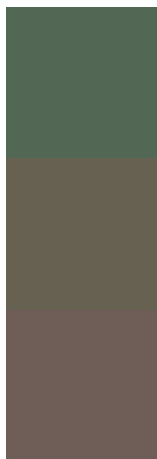


This preview shows how white text looks on a background with the XYZ color 10.0572, 12.1954,

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

10.0572, 12.1954, 10.4182

Protanopia

11.3912, 12.0421, 9.7066

Deuteranopia

12.2785, 12.0730, 10.7000



Tritanopia

11.1944, 12.2233, 15.9567

Trichromacy



Original Color

10.0572, 12.1954, 10.4182

Protanomaly

10.8470, 12.0350, 9.9349

Deuteranomaly

11.3212, 11.9880, 10.5213

Tritanomaly

10.7917, 12.2059, 13.8438

Monochromacy



Original Color

10.0572, 12.1954, 10.4182

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.5704, 11.7148, 11.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0572, 12.1954, 10.4182 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(83, 103, 85) looks like.

```
.text, #text, p{  
    color:rgb(83, 103, 85)  
}
```

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(83, 103, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 103, 85) }
```

Border

The CSS property to change the border of an element to XYZ 10.0572, 12.1954, 10.4182 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(83, 103, 85) }
```


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

```
.border{ border-color:rgb(83, 103, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 103, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 103, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 103, 85);  
box-shadow:4px 4px 4px 4px rgb(83, 103,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0572, 12.1954, 10.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 103, 85) }
```

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

```
.background{ background-color: rgb(83, 103,  
85) }
```

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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