

Converting Colors

XYZ(10.3993, 12.9975, 11.9534)

Have a look what the booklet for
XYZ(10.3993, 12.9975, 11.9534)
contains.

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Color

**XYZ(10.3705, 12.9330,
11.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	4F6B5B
RGB	79, 107, 91
RGB Percent	31%, 42%, 36%
CMY	0.6902, 0.5804, 0.6431
CMYK	0.26, 0.00, 0.15, 0.58
HSL	146°, 15%, 36%
HSV	146°, 26%, 42%
XYZ	10.3705, 12.9330, 11.8473
YIQ	96.8040, -11.5520, -10.9120

Conversions

Conversions Part 2

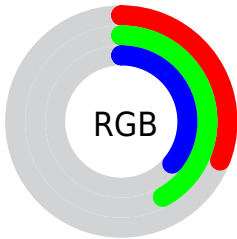
Format	Color
R_{YB}	79, 99, 107
Decimal	5204827
CIE _{Lab}	42.66, -13.93, 5.66
CIE _{LCh}	43, 15.038, 157.887
Yxy	12.9330, 0.2950, 0.3679
Android (android.graphics.Color)	4283394907 (0xFF4F6B5B)
YUV	96.8040, -2.8614, -15.6141
Hunter-Lab	35.9625, -11.4603, 5.6415

Details


The XYZ color **10.3705, 12.9330, 11.8473** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9254, 9.5443, 12.0935**, and the grayscale version is **11.3233, 11.9130, 12.9733**.

A 20% lighter version of the original color is **26.0878, 31.0439, 29.8164**, and **2.7167, 3.7445, 3.0622** is the 20% darker color. If you saturate the color by 10%, you get **9.2981, 12.4097, 10.4759**, and if you desaturate by 10%, it is **11.6085, 13.5398, 13.3392**.

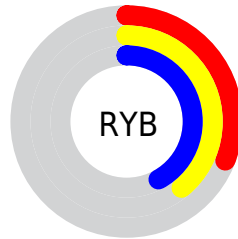
Distribution



 Red (31%)

 Green (42%)

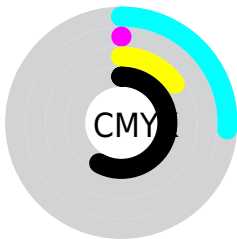
 Blue (36%)




 Red (31%)

 Yellow (39%)

 Blue (42%)

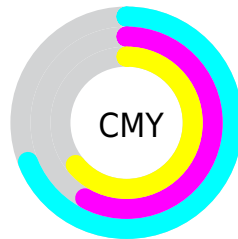



 Cyan (26%)


 Magenta (0%)

 Yellow (15%)

 Black (58%)



 Cyan (69%)

 Magenta (58%)

 Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3705, 12.9330, 11.8473 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 10.3705, 12.9330, 11.8473 by changing the saturation by 10% instead.

■ 10.3705, 12.9330,
11.8473

■ 10.3705, 12.9330,
11.8473

187.2952,
210.4878, 214.3337

■ 5.7094, 7.3824,
6.5185

■ 26.1335, 31.1834,
29.8769

■ 2.7082, 3.7024,
3.0890

■ 37.9661, 44.6519,
43.4148

■ 1.0014, 1.5085,
1.1403

■ 52.9200, 61.5286,
60.5262

■ 0.0000, 0.2947,
0.0000

■ 71.3604, 82.1979,
81.6295

■ 0.0000, 0.0000,
0.0000

■ 93.6528, 107.0440,
107.1434

120.1625,

136.4514, 137.4864

151.2549,
170.8046, 173.0769

■ 10.3705, 12.9330,
11.8473

■ 10.3705, 12.9330,
11.8473

■ 9.2981, 12.4097,
10.4759

■ 11.6085, 13.5398,
13.3392

■ 8.3827, 11.9647,
9.2213

■ 13.0178, 14.2321,
14.9536

■ 7.6169, 11.5944,
8.0804

■ 14.6052, 15.0136,
16.6937

■ 6.9919, 11.2943,
7.0500

■ 16.3770, 15.8874,
18.5621

■ 6.4982, 11.0597,
6.1268

■ 18.3389, 16.8566,
20.5614

■ 6.1249, 10.8851,
5.3069

■ 20.4966, 17.9239,
22.6943

■ 5.8469, 10.7574,
4.5861

■ 22.8552, 19.0921,
24.9630

■ 5.7482, 10.7120,
4.3346

■ 25.4201, 20.3637,
27.3701

■ 28.1961, 21.7413,
29.9179

Harmonies

Analogous

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



10.9942, 12.9330, 9.6836



10.3705, 12.9330, 11.8473



10.2455, 12.9330, 14.9614

Triad

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



10.3705, 12.9330, 11.8473



12.5958, 12.9330, 21.2647



14.1058, 12.9330, 10.5661

Complementary

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



10.3705, 12.9330, 11.8473



10.9254, 9.5443, 12.0935

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.



14.5953, 12.9330, 13.2374



10.3705, 12.9330, 11.8473



13.6890, 12.9330, 19.6434

Square

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



10.3705, 12.9330, 11.8473



11.4852, 12.9330, 20.7391



14.4383, 12.9330, 16.5810



13.1366, 12.9330, 9.0276

Rectangle

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



10.3705, 12.9330, 11.8473



10.4541, 12.9330, 17.2287



14.4383, 12.9330, 16.5810



14.3346, 12.9330, 11.3436

Sweetspot

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



10.3709, 12.9335, 11.8476



22.7643, 25.2155, 26.1625



11.4235, 13.5313, 9.4071



5.4328, 6.0653, 6.2450



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.3709, 12.9335, 11.8476



17.4381, 22.6054, 19.7862



11.0153, 13.1913, 15.2412



3.1128, 3.4643, 3.5779



6.9778, 13.0252, 5.1945



35.1371, 66.2019, 24.2665

Inverse Universe

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



10.9254, 9.5443, 12.0935



18.6003, 15.5003, 20.2999



10.3575, 9.3172, 9.1030



3.1654, 3.1430, 3.6014



8.3905, 4.2083, 5.6851



42.3120, 21.2668, 26.6436

Previews

White Background



This preview shows how the XYZ color 10.3705, 12.9330, 11.8473 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 10.3705, 12.9330, 11.8473 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 10.3705, 12.9330, 11.8473

Background



This preview shows how black text looks on a background with the XYZ color 10.3705, 12.9330, 11.8473.



This preview shows how white text looks on a background with the XYZ color 10.3705, 12.9330,

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

10.3705, 12.9330, 11.8473

Protanopia

12.1032, 12.8057, 10.8507

Deuteranopia

13.0605, 12.8504, 12.1479



Tritanopia

11.4422, 12.9095, 17.2179

Trichromacy



Original Color

10.3705, 12.9330, 11.8473

Protanomaly

11.4356, 12.8919, 11.1182

Deuteranomaly

11.9523, 12.8468, 11.9749

Tritanomaly

11.0299, 12.8965, 15.0046

Monochromacy



Original Color

10.3705, 12.9330, 11.8473

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9357, 12.3072, 12.6256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3705, 12.9330, 11.8473 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(79, 107, 91)` looks like.

```
.text, #text, p{  
    color:rgb(79, 107, 91)  
}
```

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(79, 107, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 107, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.3705, 12.9330, 11.8473 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(79, 107, 91) }
```


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

```
.border{ border-color:rgb(79, 107, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 107, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 107, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 107, 91);  
box-shadow:4px 4px 4px 4px rgb(79, 107,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3705, 12.9330, 11.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 107, 91) }
```

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

```
.background{ background-color: rgb(79, 107,  
91) }
```

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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