

Converting Colors

XYZ(10.2067, 12.9980, 9.7380)

Have a look what the booklet for
XYZ(10.2067, 12.9980, 9.7380)
contains.

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Color

**XYZ(10.2411, 13.0685,
9.7673)**

Conversions

Conversions Part 1

Format	Color
Hex	516C51
RGB	81, 108, 81
RGB Percent	32%, 42%, 32%
CMY	0.6823, 0.5765, 0.6823
CMYK	0.25, 0.00, 0.25, 0.58
HSL	120°, 14%, 37%
HSV	120°, 25%, 42%
XYZ	10.2411, 13.0685, 9.7673
YIQ	96.8490, -7.4250, -14.1210

Conversions

Conversions Part 2

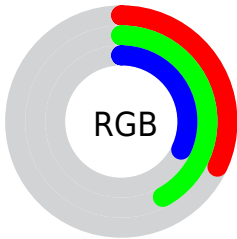
Format	Color
R_{YB}	81, 108, 108
Decimal	5336145
CIE _{Lab}	42.87, -15.81, 11.96
CIE _{LCh}	43, 19.826, 142.883
Yxy	13.0685, 0.3096, 0.3951
Android (android.graphics.Color)	4283526225 (0xFF516C51)
YUV	96.8490, -7.8136, -13.8996
Hunter-Lab	36.1504, -12.6956, 9.2860

Details

The XYZ color **10.2411, 13.0685, 9.7673** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8340, 10.1560, 15.5245**, and the grayscale version is **11.3454, 11.9362, 12.9985**.

A 20% lighter version of the original color is **25.9601, 31.5786, 25.8461**, and **2.6274, 3.7164, 2.2479** is the 20% darker color. If you saturate the color by 10%, you get **9.0149, 12.4799, 7.7614**, and if you desaturate by 10%, it is **11.6797, 13.7599, 12.1200**.

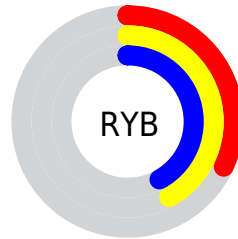
Distribution



 Red (32%)

 Green (42%)

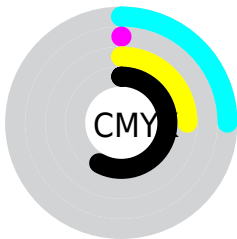
 Blue (32%)



 Red (32%)

 Yellow (42%)

 Blue (42%)

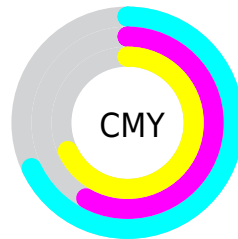


 Cyan (25%)


 Magenta (0%)

 Yellow (25%)

 Black (58%)



 Cyan (68%)

 Magenta (58%)

 Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2411, 13.0685, 9.7673 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 10.2411, 13.0685, 9.7673 by changing the saturation by 10% instead.

■ 10.2411, 13.0685,
9.7673

■ 10.2411, 13.0685,
9.7673

186.4022,
211.3562, 199.4272

■ 5.6226, 7.4757,
5.1414

■ 25.8936, 31.4268,
25.9578

■ 2.6554, 3.7614,
2.2703

■ 37.6583, 44.9611,
38.3595

■ 0.9743, 1.5410,
0.7145

■ 52.5358, 61.9114,
54.1901

■ 0.0000, 0.3173,
0.0000

■ 70.8914, 82.6620,
73.8683

■ 0.0000, 0.0000,
0.0000

■ 93.0904, 107.5975,
97.8126

119.4984,

137.1020, 126.4415

150.4805,
171.5601, 160.1735

■ 10.2411, 13.0685,
9.7673

■ 10.2411, 13.0685,
9.7673

■ 9.0149, 12.4799,
7.7614

■ 11.6797, 13.7599,
12.1200

■ 7.9901, 11.9876,
6.0851

■ 13.3389, 14.5569,
14.8340

■ 7.1562, 11.5871,
4.7211

■ 15.2279, 15.4643,
17.9238

■ 6.5014, 11.2725,
3.6501

■ 17.3550, 16.4861,
21.4031

■ 6.0126, 11.0377,
2.8505

■ 19.7281, 17.6260,
25.2846

■ 5.6749, 10.8755,
2.2982

■ 22.3546, 18.8876,
29.5808

■ 5.4600, 10.7723,
1.9466

■ 25.2418, 20.2745,
34.3033

■ 5.3628, 10.7256,
1.7876

■ 28.3966, 21.7899,
39.4636

■ 31.8257, 23.4371,
45.0723

Harmonies

Analogous

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



11.3231, 13.0685, 7.8466



10.2411, 13.0685, 9.7673



9.7502, 13.0685, 13.2211

Triad

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



10.2411, 13.0685, 9.7673



12.0640, 13.0685, 24.2114



15.3014, 13.0685, 11.2269

Complementary

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



10.2411, 13.0685, 9.7673



11.8340, 10.1560, 15.5245

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.



15.5402, 13.0685, 15.2876



10.2411, 13.0685, 9.7673



13.5882, 13.0685, 23.3774

Square

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



10.2411, 13.0685, 9.7673



10.7458, 13.0685, 21.9683



14.8907, 13.0685, 19.8777



14.2624, 13.0685, 8.5620

Rectangle

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



10.2411, 13.0685, 9.7673



9.7936, 13.0685, 16.1708



14.8907, 13.0685, 19.8777



15.4812, 13.0685, 12.4499

Sweetspot

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



10.2414, 13.0691, 9.7676



22.4369, 25.0846, 24.4386



13.0326, 14.5080, 9.8982



5.3429, 6.0294, 5.7716



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.



10.2414, 13.0691, 9.7676



16.6835, 22.3209, 15.0278



10.7992, 13.2921, 12.7045



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1321



32.5919, 65.1839, 10.8640

Inverse Universe

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



11.8340, 10.1560, 15.5245



19.9935, 16.2662, 26.9934



11.1701, 9.8904, 12.0284



3.2176, 3.1639, 3.8760



10.6050, 5.0941, 17.3462



54.0370, 25.9567, 88.3863

Previews

White Background



This preview shows how the XYZ color 10.2411, 13.0685, 9.7673 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 10.2411, 13.0685, 9.7673 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 10.2411, 13.0685, 9.7673

Background



This preview shows how black text looks on a background with the XYZ color 10.2411, 13.0685, 9.7673.



This preview shows how white text looks on a background with the XYZ color 10.2411, 13.0685,

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

10.2411, 13.0685, 9.7673

Protanopia

12.2132, 13.0456, 9.0821

Deuteranopia

13.1721, 12.9558, 9.9901



Tritanopia

11.7127, 13.0489, 17.2306

Trichromacy



Original Color

10.2411, 13.0685, 9.7673

Protanomaly

11.3986, 13.0618, 9.3175

Deuteranomaly

11.8856, 12.8596, 9.8384

Tritanomaly

11.0567, 12.9276, 14.2244

Monochromacy



Original Color

10.2411, 13.0685, 9.7673

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8564, 12.2868, 11.6969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2411, 13.0685, 9.7673 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(81, 108, 81)` looks like.

```
.text, #text, p{  
    color:rgb(81, 108, 81)  
}
```

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(81, 108, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 108, 81) }
```

Border

The CSS property to change the border of an element to XYZ 10.2411, 13.0685, 9.7673 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(81, 108, 81) }
```


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

```
.border{ border-color:rgb(81, 108, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 108, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 108, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 108, 81);  
box-shadow:4px 4px 4px 4px rgb(81, 108,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2411, 13.0685, 9.7673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 108, 81) }
```

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

```
.background{ background-color: rgb(81, 108,  
81) }
```

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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