

Converting Colors

XYZ(10.0130, 12.5691, 12.9647)

Have a look what the booklet for
XYZ(10.0130, 12.5691, 12.9647)
contains.

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Color

**XYZ(10.0130, 12.5691,
12.9647)**

Conversions

Conversions Part 1

Format	Color
Hex	496A60
RGB	73, 106, 96
RGB Percent	29%, 42%, 38%
CMY	0.7137, 0.5843, 0.6235
CMYK	0.31, 0.00, 0.09, 0.58
HSL	162°, 18%, 35%
HSV	162°, 31%, 42%
XYZ	10.0130, 12.5691, 12.9647
YIQ	94.9930, -16.4580, -10.1060

Conversions

Conversions Part 2

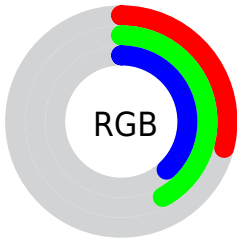
Format	Color
R_{YB}	73, 92, 106
Decimal	4811360
CIE _{Lab}	42.11, -14.31, 1.79
CIE _{LCh}	42, 14.426, 172.869
Yxy	12.5691, 0.2817, 0.3536
Android (android.graphics.Color)	4283001440 (0xFF496A60)
YUV	94.9930, 0.4965, -19.2879
Hunter-Lab	35.4529, -11.6287, 3.1354

Details

The XYZ color **10.0130, 12.5691, 12.9647** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8882, 8.4541, 9.2947**, and the grayscale version is **10.8775, 11.4440, 12.4625**.

A 20% lighter version of the original color is **25.4137, 30.4002, 31.7225**, and **2.5917, 3.5912, 3.5742** is the 20% darker color. If you saturate the color by 10%, you get **9.1325, 12.1323, 12.1673**, and if you desaturate by 10%, it is **11.0372, 13.0800, 13.8009**.

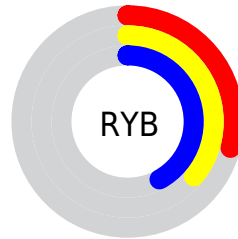
Distribution



Red (29%)

Green (42%)

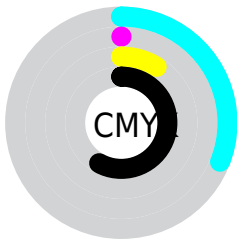
Blue (38%)



Red (29%)

Yellow (36%)

Blue (42%)

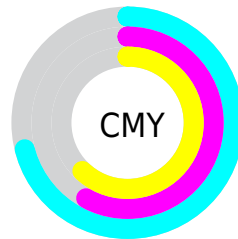


Cyan (31%)

Magenta (0%)

Yellow (9%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0130, 12.5691, 12.9647 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 10.0130, 12.5691, 12.9647 by changing the saturation by 10% instead.

■ 10.0130, 12.5691,
12.9647

■ 10.0130, 12.5691,
12.9647

184.8165,
208.1373, 221.8912

■ 5.4699, 7.1325,
7.2738

■ 25.4694, 30.5275,
31.9306

■ 2.5631, 3.5451,
3.5529

■ 37.1134, 43.8180,
46.0427

■ 0.9272, 1.4225,
1.3834

■ 51.8551, 60.4953,
63.7989

■ 0.0000, 0.2332,
0.1287

■ 70.0599, 80.9438,
85.6179

■ 0.0000, 0.0000,
0.0000

■ 92.0931, 105.5479,
111.9180

118.3200,

134.6919, 143.1179

149.1060,
168.7602, 179.6361

■ 10.0130, 12.5691,
12.9647

■ 10.0130, 12.5691,
12.9647

■ 9.1325, 12.1323,
12.1673

■ 11.0372, 13.0800,
13.8009

■ 8.3877, 11.7643,
11.4072

■ 12.2105, 13.6667,
14.6758

■ 7.7711, 11.4619,
10.6839

■ 13.5394, 14.3329,
15.5902

■ 7.2745, 11.2206,
9.9966

■ 15.0297, 15.0816,
16.5449

■ 6.8885, 11.0356,
9.3445

■ 16.6869, 15.9156,
17.5403

■ 6.6018, 10.9012,
8.7267

■ 18.5161, 16.8375,
18.5771

■ 6.3862, 10.8013,
8.2052

■ 20.5224, 17.8500,
19.6559

■ 22.7104, 18.9554,
20.7771

■ 25.0848, 20.1561,
21.9415

Harmonies

Analogous

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



10.3751, 12.5691, 10.4180



10.0130, 12.5691, 12.9647



10.1436, 12.5691, 16.1142

Triad

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



10.0130, 12.5691, 12.9647



12.7669, 12.5691, 19.8878



13.2365, 12.5691, 9.4925

Complementary

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



10.0130, 12.5691, 12.9647



9.8882, 8.4541, 9.2947

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.



13.9514, 12.5691, 11.5142



10.0130, 12.5691, 12.9647



13.6691, 12.5691, 17.5737

Square

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



10.0130, 12.5691, 12.9647



11.6921, 12.5691, 20.4302



14.1143, 12.5691, 14.4328



12.2047, 12.5691, 8.6175

Rectangle

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



10.0130, 12.5691, 12.9647



10.4965, 12.5691, 18.1147



14.1143, 12.5691, 14.4328



13.5243, 12.5691, 10.0446

Sweetspot

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



10.0134, 12.5696, 12.9650



21.8470, 24.1938, 26.0523



9.9641, 12.6492, 8.2198



5.0603, 5.6386, 6.0621



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.



10.0134, 12.5696, 12.9650



16.4817, 21.5168, 21.7812



9.9019, 11.5623, 15.3462



3.1447, 3.4770, 3.7456



7.9098, 13.3980, 10.1023



39.9056, 68.1093, 49.3773

Inverse Universe

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



9.8882, 8.4541, 9.2947



16.2275, 13.1170, 14.2968



9.9464, 9.1447, 7.5443



3.1340, 3.1305, 3.4361



7.6881, 3.9274, 1.9860



38.8288, 19.8735, 8.3014

Previews

White Background



This preview shows how the XYZ color 10.0130, 12.5691, 12.9647 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 10.0130, 12.5691, 12.9647 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 10.0130, 12.5691, 12.9647

Background



This preview shows how black text looks on a background with the XYZ color 10.0130, 12.5691, 12.9647.



This preview shows how white text looks on a background with the XYZ color 10.0130, 12.5691,

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

10.0130, 12.5691, 12.9647

Protanopia

11.8731, 12.5212, 11.9163

Deuteranopia

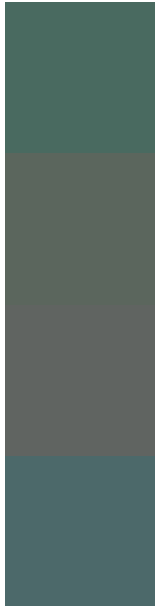
12.6942, 12.4988, 13.2987



Tritanopia

10.9355, 12.6483, 17.1942

Trichromacy



Original Color

10.0130, 12.5691, 12.9647

Protanomaly

11.0415, 12.5172, 12.1900

Deuteranomaly

11.5387, 12.4642, 13.1069

Tritanomaly

10.6336, 12.6803, 15.5228

Monochromacy



Original Color

10.0130, 12.5691, 12.9647

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.4579, 11.7761, 12.5483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0130, 12.5691, 12.9647 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(73, 106, 96)` looks like.

```
.text, #text, p{  
    color:rgb(73, 106, 96)  
}
```

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(73, 106, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 106, 96) }
```

Border

The CSS property to change the border of an element to XYZ 10.0130, 12.5691, 12.9647 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(73, 106, 96) }
```


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

```
.border{ border-color:rgb(73, 106, 96) }
```

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

Here you see how a box with a 4 pixel rgb(73, 106, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 106, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 106, 96);  
box-shadow:4px 4px 4px 4px rgb(73, 106,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0130, 12.5691, 12.9647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 106, 96) }
```

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

```
.background{ background-color: rgb(73, 106,  
96) }
```

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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