

Converting Colors

XYZ(10.0974, 12.3860, 13.2233)

Have a look what the booklet for
XYZ(10.0974, 12.3860, 13.2233)
contains.

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Color

**XYZ(10.1109, 12.4621,
13.1818)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6961
RGB	75, 105, 97
RGB Percent	29%, 41%, 38%
CMY	0.7059, 0.5882, 0.6196
CMYK	0.29, 0.00, 0.08, 0.59
HSL	164°, 17%, 35%
HSV	164°, 29%, 41%
XYZ	10.1109, 12.4621, 13.1818
YIQ	95.1180, -15.3120, -8.8480

Conversions

Conversions Part 2

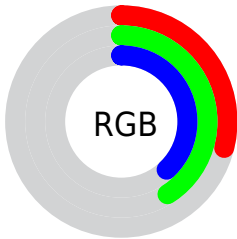
Format	Color
RYB	75, 92, 105
Decimal	4942177
CIELab	41.94, -12.84, 0.96
CIELCh	42, 12.871, 175.724
Yxy	12.4621, 0.2828, 0.3485
Android (android.graphics.Color)	4283132257 (0xFF4B6961)
YUV	95.1180, 0.9278, -17.6435
Hunter-Lab	35.3017, -10.6531, 2.5721

Details

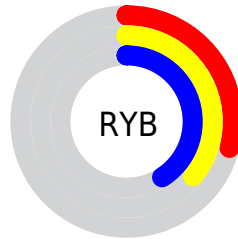
The XYZ color **10.1109, 12.4621, 13.1818** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9035, 8.6603, 9.3337**, and the grayscale version is **10.9063, 11.4742, 12.4954**.

A 20% lighter version of the original color is **25.6912, 30.2750, 32.5066**, and **2.6173, 3.5263, 3.6747** is the 20% darker color. If you saturate the color by 10%, you get **9.2283, 12.0222, 12.4710**, and if you desaturate by 10%, it is **11.1344, 12.9747, 13.9238**.

Distribution



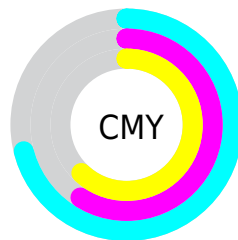
- Red (29%)
- Green (41%)
- Blue (38%)



- Red (29%)
- Yellow (36%)
- Blue (41%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (59%)



- Cyan (71%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1109, 12.4621, 13.1818 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 10.1109, 12.4621, 13.1818 by changing the saturation by 10% instead.

■ 10.1109, 12.4621,
13.1818

■ 10.1109, 12.4621,
13.1818

185.4989,
207.4410, 223.3281

■ 5.5354, 7.0592,
7.4217

■ 25.6517, 30.3340,
32.3260

■ 2.6026, 3.4992,
3.6448

■ 37.3476, 43.5717,
46.5471

■ 0.9473, 1.3975,
1.4326

■ 52.1478, 60.1899,
64.4256

■ 0.0000, 0.2149,
0.1669

■ 70.4175, 80.5729,
86.3801

■ 0.0000, 0.0000,
0.0000

■ 92.5221, 105.1052,
112.8290

118.8270,

134.1710, 144.1910

149.6974,
168.1548, 180.8845

■ 10.1109, 12.4621,
13.1818

■ 10.1109, 12.4621,
13.1818

■ 9.2283, 12.0222,
12.4710

■ 11.1344, 12.9747,
13.9238

■ 8.4788, 11.6502,
11.7901

■ 12.3041, 13.5618,
14.6966

■ 7.8556, 11.3427,
11.1386

■ 13.6260, 14.2268,
15.5011

■ 7.3506, 11.0956,
10.5160

■ 15.1058, 14.9727,
16.3378

■ 6.9551, 10.9045,
9.9215

■ 16.7486, 15.8021,
17.2072

■ 6.6587, 10.7639,
9.3546

■ 18.5595, 16.7175,
18.1097

■ 6.4242, 10.6548,
8.8130

■ 20.5433, 17.7216,
19.0457

■ 6.3913, 10.6394,
8.7375

■ 22.7046, 18.8165,
20.0157

■ 25.0477, 20.0046,
21.0201

Harmonies

Analogous

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



10.3951, 12.4621, 10.8245



10.1109, 12.4621, 13.1818



10.2705, 12.4621, 15.9752

Triad

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



10.1109, 12.4621, 13.1818



12.6576, 12.4621, 18.8637



12.9064, 12.4621, 9.6803

Complementary

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



10.1109, 12.4621, 13.1818



9.9035, 8.6603, 9.3337

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.



13.5724, 12.4621, 11.4176



10.1109, 12.4621, 13.1818



13.4235, 12.4621, 16.7423

Square

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



10.1109, 12.4621, 13.1818



11.7088, 12.4621, 19.4999



13.7665, 12.4621, 13.9639



11.9819, 12.4621, 8.9822

Rectangle

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



10.1109, 12.4621, 13.1818



10.6118, 12.4621, 17.6813



13.7665, 12.4621, 13.9639



13.1699, 12.4621, 10.1497

Sweetspot

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



10.1113, 12.4626, 13.1821



21.8785, 24.2064, 26.2181



9.9335, 12.4735, 8.5409



5.0685, 5.6419, 6.1054



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.



10.1113, 12.4626, 13.1821



17.0636, 21.7953, 22.7812



9.8665, 11.3455, 15.0351



3.1490, 3.4788, 3.7687



8.0766, 13.4647, 10.9807



40.7804, 68.4593, 53.9839

Inverse Universe

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



9.9035, 8.6603, 9.3337



16.6294, 13.8264, 14.7215



10.0758, 9.4711, 7.9538



3.1298, 3.1288, 3.4141



7.6276, 3.9032, 1.6674



38.5490, 19.7615, 6.8276

Previews

White Background



This preview shows how the XYZ color 10.1109, 12.4621, 13.1818 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 10.1109, 12.4621, 13.1818 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 10.1109, 12.4621, 13.1818

Background



This preview shows how black text looks on a background with the XYZ color 10.1109, 12.4621, 13.1818.



This preview shows how white text looks on a background with the XYZ color 10.1109, 12.4621,

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

10.1109, 12.4621, 13.1818

Protanopia

11.8230, 12.3505, 12.1167

Deuteranopia

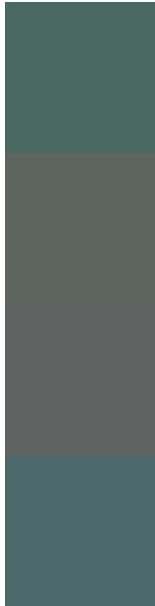
12.6193, 12.4547, 13.5433



Tritanopia

10.8614, 12.4679, 16.8730

Trichromacy



Original Color

10.1109, 12.4621, 13.1818

Protanomaly

11.0877, 12.3908, 12.3970

Deuteranomaly

11.4903, 12.2923, 13.3223

Tritanomaly

10.6124, 12.5190, 15.4927

Monochromacy



Original Color

10.1109, 12.4621, 13.1818

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.5977, 11.8429, 12.7937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1109, 12.4621, 13.1818 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(75, 105, 97)` looks like.

```
.text, #text, p{  
    color:rgb(75, 105, 97)  
}
```

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(75, 105, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 105, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.1109, 12.4621, 13.1818 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(75, 105, 97) }
```


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

```
.border{ border-color:rgb(75, 105, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 105, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 105, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 105, 97);  
box-shadow:4px 4px 4px 4px rgb(75, 105,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1109, 12.4621, 13.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 105, 97) }
```

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

```
.background{ background-color: rgb(75, 105,  
97) }
```

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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