

Converting Colors

XYZ(10.4793, 12.2706, 15.1927)

Have a look what the booklet for
XYZ(10.4793, 12.2706, 15.1927)
contains.

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Color

**XYZ(10.5419, 12.3401,
15.1909)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6769
RGB	78, 103, 105
RGB Percent	31%, 40%, 41%
CMY	0.6941, 0.5961, 0.5882
CMYK	0.26, 0.02, 0.00, 0.59
HSL	184°, 15%, 36%
HSV	184°, 26%, 41%
XYZ	10.5419, 12.3401, 15.1909
YIQ	95.7530, -15.5420, -4.6780

Conversions

Conversions Part 2

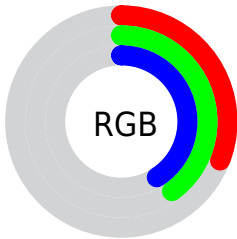
Format	Color
R_{YB}	78, 91, 105
Decimal	5138281
CIE Lab	41.75, -8.70, -4.16
CIE LCh	42, 9.641, 205.552
Yxy	12.3401, 0.2769, 0.3241
Android (android.graphics.Color)	4283328361 (0xFF4E6769)
YUV	95.7530, 4.5588, -15.5694
Hunter-Lab	35.1285, -7.9078, -1.0493

Details

The XYZ color **10.5419, 12.3401, 15.1909** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0696, 9.2906, 8.4704**, and the grayscale version is **11.0507, 11.6262, 12.6609**.

A 20% lighter version of the original color is **26.4584, 30.1007, 35.8680**, and **2.7736, 3.4409, 4.5210** is the 20% darker color. If you saturate the color by 10%, you get **9.6726, 11.7780, 15.1284**, and if you desaturate by 10%, it is **11.5501, 12.9755, 15.2606**.

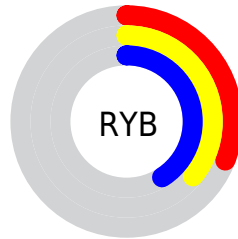
Distribution



Red (31%)

Green (40%)

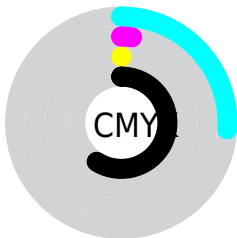
Blue (41%)



Red (31%)

Yellow (36%)

Blue (41%)

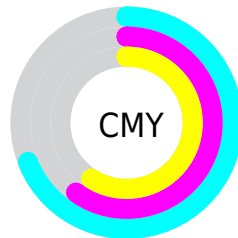


Cyan (26%)

Magenta (2%)

Yellow (0%)

Black (59%)



Cyan (69%)

Magenta (60%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5419, 12.3401, 15.1909 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 10.5419, 12.3401, 15.1909 by changing the saturation by 10% instead.

■ 10.5419, 12.3401,
15.1909

■ 10.5419, 12.3401,
15.1909

188.4711,
206.6440, 236.1992

■ 5.8247, 6.9757,
8.8054

■ 26.4504, 30.1130,
35.9348

■ 2.7784, 3.4469,
4.5194

■ 38.3725, 43.2904,
51.1302

■ 1.0377, 1.3693,
1.9144

■ 53.4268, 59.8409,
70.0993

■ 0.0000, 0.1939,
0.5019

■ 71.9789, 80.1489,
93.2606

■ 0.0000, 0.0000,
0.0000

■ 94.3940, 104.5988,
121.0327

121.0375,

133.5750, 153.8342

152.2747,
167.4620, 192.0835

■ 10.5419, 12.3401,
15.1909

■ 10.5419, 12.3401,
15.1909

■ 9.6726, 11.7780,
15.1284

■ 11.5501, 12.9755,
15.2606

■ 8.9345, 11.2843,
15.0720

■ 12.7021, 13.6857,
15.3370

■ 8.3210, 10.8559,
15.0217

■ 14.0040, 14.4744,
15.4206

■ 7.8243, 10.4888,
14.9770

■ 15.4613, 15.3441,
15.5117

■ 7.4360, 10.1787,
14.9376

■ 17.0789, 16.2977,
15.6105

7.1463, 9.9203,
14.9030

18.8620, 17.3376,
15.7172

6.9329, 9.7024,
14.8722

20.8150, 18.4662,
15.8321

6.8456, 9.6115,
14.8593

22.9426, 19.6859,
15.9554

25.2491, 20.9988,
16.0873

Harmonies

Analogous

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



10.4221, 12.3401, 13.1358



10.5419, 12.3401, 15.1909



10.9748, 12.3401, 16.9184

Triad

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



10.5419, 12.3401, 15.1909



12.8889, 12.3401, 15.7670



11.8349, 12.3401, 9.9088

Complementary

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



10.5419, 12.3401, 15.1909



10.0696, 9.2906, 8.4704

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.



12.5168, 12.3401, 10.4680



10.5419, 12.3401, 15.1909



13.1407, 12.3401, 13.7413

Square

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



10.5419, 12.3401, 15.1909



12.3265, 12.3401, 17.2739



13.0018, 12.3401, 11.8222



11.1509, 12.3401, 10.2138

Rectangle

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



10.5419, 12.3401, 15.1909



11.3922, 12.3401, 17.5810



13.0018, 12.3401, 11.8222



12.0722, 12.3401, 10.0002

Sweetspot

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



10.5423, 12.3406, 15.1912



22.2004, 24.1726, 27.4267



9.6342, 12.2993, 9.4171



5.1417, 5.6263, 6.4208



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.



10.5423, 12.3406, 15.1912



17.8863, 21.4598, 27.1305



9.3228, 9.9016, 14.7847



3.1636, 3.4555, 3.9351



8.6564, 12.1471, 18.8106



43.8321, 61.3427, 95.7563

Inverse Universe

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



10.9985, 9.4315, 14.0733



18.8659, 15.3008, 24.7112



11.1418, 11.4350, 8.8278



3.2084, 3.1602, 3.8276



10.1162, 4.8986, 14.7724



51.4072, 24.9048, 74.5381

Previews

White Background



This preview shows how the XYZ color 10.5419, 12.3401, 15.1909 looks on a white background.

Color Contrast Check

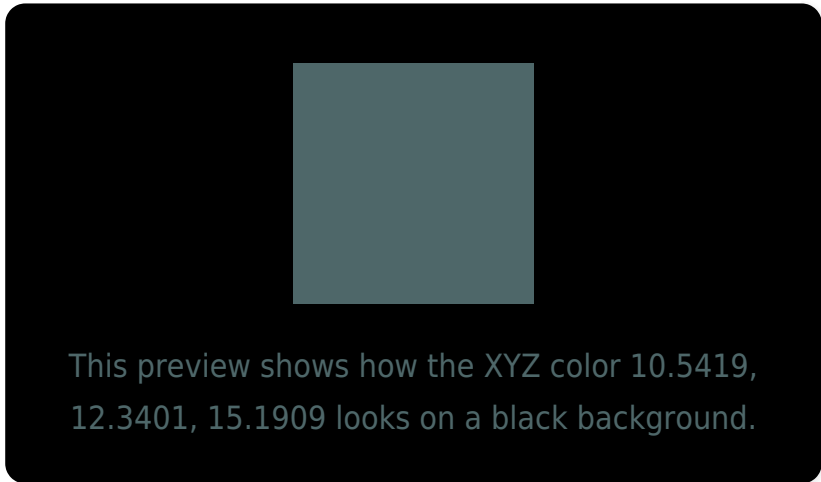
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

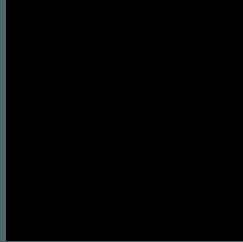
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.5419, 12.3401, 15.1909

Background



This preview shows how black text looks on a background with the XYZ color 10.5419, 12.3401, 15.1909.



This preview shows how white text looks on a background with the XYZ color 10.5419, 12.3401,

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

10.5419, 12.3401, 15.1909

Protanopia

11.9115, 12.3473, 14.3258

Deuteranopia

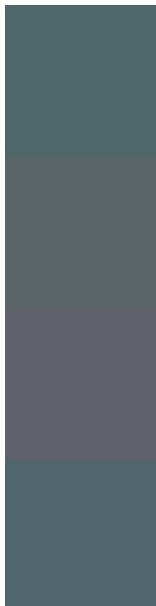
12.4550, 12.1890, 15.6062



Tritanopia

10.7903, 12.2908, 16.5555

Trichromacy



Original Color

10.5419, 12.3401, 15.1909

Protanomaly

11.3197, 12.3178, 14.6129

Deuteranomaly

11.6885, 12.2089, 15.3762

Tritanomaly

10.6826, 12.2477, 15.9884

Monochromacy



Original Color

10.5419, 12.3401, 15.1909

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.8338, 11.9484, 13.5396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5419, 12.3401, 15.1909 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(78, 103, 105)` looks like.

```
.text, #text, p{  
    color:rgb(78, 103, 105)  
}
```

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(78, 103, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 105) }
```

Border

The CSS property to change the border of an element to XYZ 10.5419, 12.3401, 15.1909 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(78, 103, 105) }
```


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

```
.border{ border-color:rgb(78, 103, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 103, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(78, 103,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5419, 12.3401, 15.1909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 105) }
```

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

```
.background{ background-color: rgb(78, 103,  
105) }
```

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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