

Converting Colors

XYZ(10.0849, 13.5256, 13.3380)

Have a look what the booklet for
XYZ(10.0849, 13.5256, 13.3380)
contains.

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Color

**XYZ(10.1318, 13.5752,
13.3955)**

Conversions

Conversions Part 1

Format	Color
Hex	417061
RGB	65, 112, 97
RGB Percent	25%, 44%, 38%
CMY	0.7451, 0.5608, 0.6196
CMYK	0.42, 0.00, 0.13, 0.56
HSL	161°, 27%, 35%
HSV	161°, 42%, 44%
XYZ	10.1318, 13.5752, 13.3955
YIQ	96.2370, -23.1970, -14.6290

Conversions

Conversions Part 2

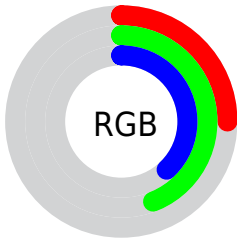
Format	Color
RYB	65, 93, 112
Decimal	4288609
CIELab	43.62, -19.90, 3.32
CIELCh	44, 20.171, 170.533
Yxy	13.5752, 0.2731, 0.3659
Android (android.graphics.Color)	4282478689 (0xFF417061)
YUV	96.2370, 0.3762, -27.3948
Hunter-Lab	36.8445, -15.3926, 4.2352

Details

The XYZ color **10.1318, 13.5752, 13.3955** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0208, 7.8049, 8.5683**, and the grayscale version is **11.1792, 11.7614, 12.8082**.

A 20% lighter version of the original color is **25.6910, 32.3339, 32.9040**, and **2.6279, 4.0074, 3.7670** is the 20% darker color. If you saturate the color by 10%, you get **9.2998, 13.1655, 12.5062**, and if you desaturate by 10%, it is **11.1192, 14.0649, 14.3319**.

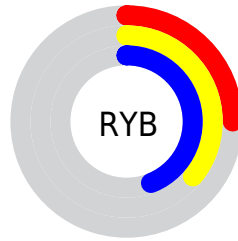
Distribution



Red (25%)

Green (44%)

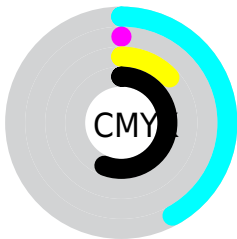
Blue (38%)



Red (25%)

Yellow (36%)

Blue (44%)

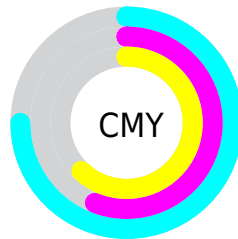


Cyan (42%)

Magenta (0%)

Yellow (13%)

Black (56%)



Cyan (75%)

Magenta (56%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1318, 13.5752, 13.3955 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 10.1318, 13.5752, 13.3955 by changing the saturation by 10% instead.

■ 10.1318, 13.5752,
13.3955

■ 10.1318, 13.5752,
13.3955

185.6442,
214.5719, 224.7332

■ 5.5494, 7.8258,
7.5675

■ 25.6905, 32.3334,
32.7141

■ 2.6111, 3.9837,
3.7357

■ 37.3976, 46.1109,
47.0417

■ 0.9516, 1.6644,
1.4815

■ 52.2102, 63.3333,
65.0397

■ 0.0000, 0.4005,
0.2041

■ 70.4937, 84.3850,
87.1265

■ 0.0000, 0.0000,
0.0000

■ 92.6135, 109.6503,
113.7207

118.9349,

139.5136, 145.2409

149.8234,
174.3593, 182.1055

■ 10.1318, 13.5752,
13.3955

■ 10.1318, 13.5752,
13.3955

■ 9.2998, 13.1655,
12.5062

■ 11.1192, 14.0649,
14.3319

■ 8.6132, 12.8295,
11.6621

■ 12.2689, 14.6370,
15.3154

■ 8.0625, 12.5627,
10.8625


■ 13.5888, 15.2960,
16.3470


■ 7.6368, 12.3596,
10.1065


■ 15.0860, 16.0454,
17.4276

■ 7.3230, 12.2132,
9.3928


■ 16.7672, 16.8889,
18.5581

 7.1078, 12.1141,
8.8475

 18.6387, 17.8294,
19.7390

 20.7064, 18.8702,
20.9713

 22.9760, 20.0142,
22.2555

 25.4531, 21.2642,
23.5924

Harmonies

Analogous

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



10.6964, 13.5752, 9.9111



10.1318, 13.5752, 13.3955



10.2614, 13.5752, 18.0482

Triad

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



10.1318, 13.5752, 13.3955



13.9982, 13.5752, 24.5195



14.9321, 13.5752, 9.0296

Complementary

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



10.1318, 13.5752, 13.3955



10.0208, 7.8049, 8.5683

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.



15.9625, 13.5752, 11.9342



10.1318, 13.5752, 13.3955



15.3935, 13.5752, 21.0310

Square

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



10.1318, 13.5752, 13.3955



12.4095, 13.5752, 25.1332



16.1380, 13.5752, 16.2591



13.4091, 13.5752, 7.7519

Rectangle

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



10.1318, 13.5752, 13.3955



10.7285, 13.5752, 21.1883



16.1380, 13.5752, 16.2591



15.3527, 13.5752, 9.8164

Sweetspot

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



10.1322, 13.5757, 13.3958



23.5339, 26.7016, 28.4621



10.1136, 13.7052, 7.1136



5.5504, 6.3632, 6.7588



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.1322, 13.5757, 13.3958



16.4245, 23.1707, 22.0692



10.0721, 12.2284, 17.1593



3.4319, 3.7979, 4.0804



8.2061, 14.0000, 10.1723



40.4734, 69.5780, 48.5395

Inverse Universe

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



10.0208, 7.8049, 8.5683



16.2055, 11.6162, 12.4232



10.0082, 8.5700, 6.1279



3.4243, 3.4174, 3.7612



8.0789, 4.1239, 2.2254



39.8907, 20.4016, 9.2225

Previews

White Background



This preview shows how the XYZ color 10.1318, 13.5752, 13.3955 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 10.1318, 13.5752, 13.3955 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 10.1318, 13.5752, 13.3955

Background



This preview shows how black text looks on a background with the XYZ color 10.1318, 13.5752, 13.3955.

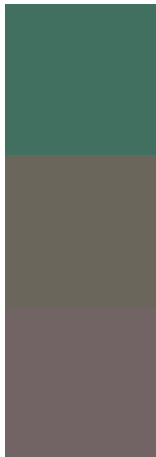


This preview shows how white text looks on a background with the XYZ color 10.1318, 13.5752,

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

10.1318, 13.5752, 13.3955

Protanopia

12.7465, 13.4012, 12.0401

Deuteranopia

13.7015, 13.4212, 13.9250



Tritanopia

11.2644, 13.5474, 19.1607

Trichromacy



Original Color

10.1318, 13.5752, 13.3955

Protanomaly

11.5880, 13.3915, 12.5637

Deuteranomaly

12.0263, 13.2883, 13.7354

Tritanomaly

10.7743, 13.5066, 16.7910

Monochromacy



Original Color

10.1318, 13.5752, 13.3955

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.6090, 12.2786, 12.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1318, 13.5752, 13.3955 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(65, 112, 97)` looks like.

```
.text, #text, p{  
    color:rgb(65, 112, 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(65, 112, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 112, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.1318, 13.5752, 13.3955 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(65, 112, 97) }
```


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

```
.border{ border-color:rgb(65, 112, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 112, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 112, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 112, 97);  
box-shadow:4px 4px 4px 4px rgb(65, 112,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1318, 13.5752, 13.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 112, 97) }
```

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

```
.background{ background-color: rgb(65, 112,  
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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