

Converting Colors

XYZ(10.2421, 11.9959, 12.2992)

Have a look what the booklet for
XYZ(10.2421, 11.9959, 12.2992)
contains.

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Color

**XYZ(10.2413, 11.9545,
12.3573)**

Conversions

Conversions Part 1

Format	Color
Hex	53655E
RGB	83, 101, 94
RGB Percent	33%, 40%, 37%
CMY	0.6745, 0.6039, 0.6314
CMYK	0.18, 0.00, 0.07, 0.60
HSL	157°, 10%, 36%
HSV	157°, 18%, 40%
XYZ	10.2413, 11.9545, 12.3573
YIQ	94.8200, -8.4810, -5.9930

Conversions

Conversions Part 2

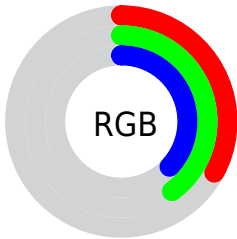
Format	Color
R_{YB}	83, 94, 101
Decimal	5465438
CIE Lab	41.14, -8.38, 1.69
CIE LCh	41, 8.552, 168.590
Yxy	11.9545, 0.2964, 0.3460
Android (android.graphics.Color)	4283655518 (0xFF53655E)
YUV	94.8200, -0.4043, -10.3661
Hunter-Lab	34.5753, -7.6345, 3.0123

Details

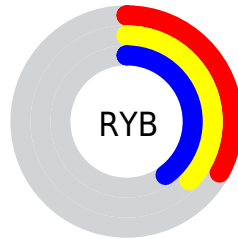
The XYZ color **10.2413, 11.9545, 12.3573** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.3059, 9.6916, 11.0009**, and the grayscale version is **10.8368, 11.4012, 12.4159**.

A 20% lighter version of the original color is **25.9351, 29.4566, 30.7043**, and **2.6520, 3.2638, 3.2865** is the 20% darker color. If you saturate the color by 10%, you get **9.2425, 11.4598, 11.4138**, and if you desaturate by 10%, it is **11.3796, 12.5207, 13.3547**.

Distribution



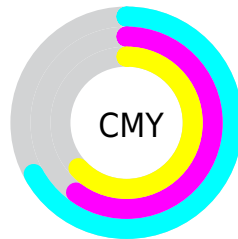
- Red (33%)
- Green (40%)
- Blue (37%)



- Red (33%)
- Yellow (37%)
- Blue (40%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (60%)



- Cyan (67%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2413, 11.9545, 12.3573 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 10.2413, 11.9545, 12.3573 by changing the saturation by 10% instead.

■ 10.2413, 11.9545,
12.3573

■ 10.2413, 11.9545,
12.3573

186.4036,
204.1038, 217.8178

■ 5.6227, 6.7127,
6.8620

■ 25.8940, 29.4122,
30.8183

■ 2.6555, 3.2831,
3.2988

■ 37.6588, 42.3969,
44.6211

■ 0.9743, 1.2812,
1.2492

■ 52.5363, 58.7314,
62.0301

■ 0.0000, 0.1266,
0.0196

■ 70.8921, 78.8000,
83.4639

■ 0.0000, 0.0000,
0.0000

■ 93.0913, 102.9871,
109.3410

119.4994,

131.6772, 140.0800

150.4817,
165.2547, 176.0994

■ 10.2413, 11.9545,
12.3573

■ 10.2413, 11.9545,
12.3573

■ 9.2425, 11.4598,
11.4138

■ 11.3796, 12.5207,
13.3547

■ 8.3766, 11.0322,
10.5224

■ 12.6617, 13.1598,
14.4061

■ 7.6376, 10.6691,
9.6824

■ 14.0932, 13.8747,
15.5127

■ 7.0189, 10.3670,
8.8928

■ 15.6788, 14.6680,
16.6753

■ 6.5133, 10.1222,
8.1525

■ 17.4231, 15.5421,
17.8948

■ 6.1128, 9.9306,
7.4604

■ 19.3307, 16.4992,
19.1721

■ 5.8080, 9.7874,
6.8152

■ 21.4056, 17.5414,
20.5079

■ 5.5667, 9.6761,
6.2146

■ 23.6521, 18.6710,
21.9030

■ 5.5157, 9.6525,
6.0894

■ 26.0740, 19.8898,
23.3582

Harmonies

Analogous

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



10.4977, 11.9545, 10.9007



10.2413, 11.9545, 12.3573



10.2771, 11.9545, 14.1271

Triad

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



10.2413, 11.9545, 12.3573



11.7439, 11.9545, 16.5007



12.1633, 11.9545, 10.6362

Complementary

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



10.2413, 11.9545, 12.3573



10.3059, 9.6916, 11.0009

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.



12.5215, 11.9545, 11.9655



10.2413, 11.9545, 12.3573



12.2733, 11.9545, 15.3896

Square

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



10.2413, 11.9545, 12.3573



11.1299, 11.9545, 16.6297



12.5625, 11.9545, 13.6986



11.5981, 11.9545, 9.9686

Rectangle

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



10.2413, 11.9545, 12.3573



10.4622, 11.9545, 15.2471



12.5625, 11.9545, 13.6986



12.3128, 11.9545, 11.0146

Sweetspot

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



10.2416, 11.9550, 12.3576



20.1010, 21.7759, 23.4009



10.4513, 12.1161, 9.9715



4.9196, 5.3449, 5.7359



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.2416, 11.9550, 12.3576



16.9085, 20.1890, 20.5934



10.3974, 11.7407, 14.0307



2.8608, 3.1681, 3.3683



7.2115, 12.6482, 7.8752



37.1741, 65.7922, 38.7684

Inverse Universe

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



10.3059, 9.6916, 11.0009



17.0390, 15.5990, 17.8426



10.1613, 9.8570, 9.5508



2.8694, 2.8624, 3.1850



7.5040, 3.8145, 2.7864



38.7342, 19.7337, 12.4095

Previews

White Background



This preview shows how the XYZ color 10.2413, 11.9545, 12.3573 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 10.2413, 11.9545, 12.3573 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

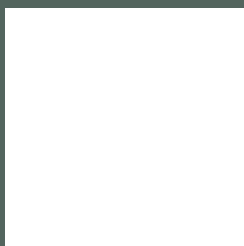
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2413, 11.9545, 12.3573

Background



This preview shows how black text looks on a background with the XYZ color 10.2413, 11.9545, 12.3573.

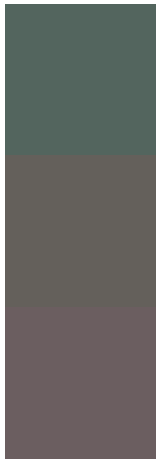


This preview shows how white text looks on a background with the XYZ color 10.2413, 11.9545,

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

10.2413, 11.9545, 12.3573

Protanopia

11.3267, 11.8304, 11.5840

Deuteranopia

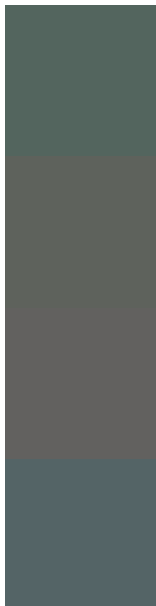
12.1774, 11.9757, 12.7361



Tritanopia

10.8620, 11.9165, 15.6375

Trichromacy



Original Color

10.2413, 11.9545, 12.3573

Protanomaly

10.9155, 11.8878, 11.8445

Deuteranomaly

11.3773, 11.9723, 12.5377

Tritanomaly

10.6116, 11.9585, 14.3193

Monochromacy



Original Color

10.2413, 11.9545, 12.3573

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6546, 11.5998, 12.5039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2413, 11.9545, 12.3573 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(83, 101, 94) looks like.

```
.text, #text, p{  
    color:rgb(83, 101, 94)  
}
```

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(83, 101, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 101, 94) }
```

Border

The CSS property to change the border of an element to XYZ 10.2413, 11.9545, 12.3573 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(83, 101, 94) }
```


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

```
.border{ border-color:rgb(83, 101, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 101, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 101, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 101, 94);  
box-shadow:4px 4px 4px 4px rgb(83, 101,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2413, 11.9545, 12.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 101, 94) }
```

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

```
.background{ background-color: rgb(83, 101,  
94) }
```

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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