

Converting Colors

XYZ(10.5002, 12.1890, 12.5859)

Have a look what the booklet for
XYZ(10.5002, 12.1890, 12.5859)
contains.

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Color

**XYZ(10.5632, 12.2603,
12.6362)**

Conversions

Conversions Part 1

Format	Color
Hex	55665F
RGB	85, 102, 95
RGB Percent	33%, 40%, 37%
CMY	0.6667, 0.6000, 0.6274
CMYK	0.17, 0.00, 0.07, 0.60
HSL	155°, 9%, 37%
HSV	155°, 17%, 40%
XYZ	10.5632, 12.2603, 12.6362
YIQ	96.1190, -7.8850, -5.7810

Conversions

Conversions Part 2

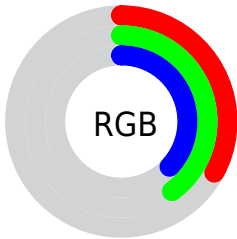
Format	Color
R_{YB}	85, 96, 102
Decimal	5596767
CIE _{Lab}	41.63, -8.00, 1.80
CIE _{LCh}	42, 8.199, 167.305
Yxy	12.2603, 0.2979, 0.3458
Android (android.graphics.Color)	4283786847 (0xFF55665F)
YUV	96.1190, -0.5517, -9.7514
Hunter-Lab	35.0147, -7.4261, 3.1136

Details

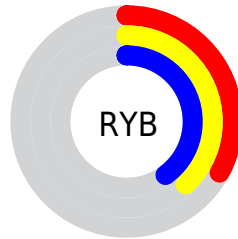
The XYZ color **10.5632, 12.2603, 12.6362** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6602, 10.0947, 11.5123**, and the grayscale version is **11.1500, 11.7307, 12.7747**.

A 20% lighter version of the original color is **26.4937, 29.9777, 31.1780**, and **2.7956, 3.4052, 3.4157** is the 20% darker color. If you saturate the color by 10%, you get **9.5174, 11.7430, 11.6174**, and if you desaturate by 10%, it is **11.7536, 12.8516, 13.7161**.

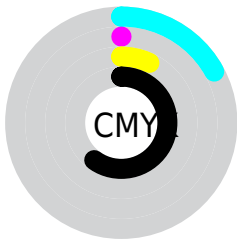
Distribution



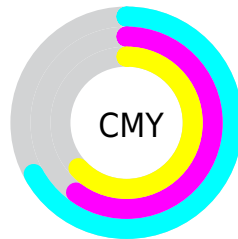
- Red (33%)
- Green (40%)
- Blue (37%)



- Red (33%)
- Yellow (38%)
- Blue (40%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5632, 12.2603, 12.6362 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 10.5632, 12.2603, 12.6362 by changing the saturation by 10% instead.

■ 10.5632, 12.2603,
12.6362

■ 10.5632, 12.2603,
12.6362

188.6167,
206.1210, 219.6981

■ 5.8391, 6.9212,
7.0507

■ 26.4897, 29.9683,
31.3302

■ 2.7872, 3.4129,
3.4149

■ 38.4229, 43.1060,
45.2758

■ 1.0422, 1.3509,
1.3102

■ 53.4897, 59.6121,
62.8452

■ 0.0000, 0.1801,
0.0701

■ 72.0555, 79.8708,
84.4569

■ 0.0000, 0.0000,
0.0000

■ 94.4858, 104.2667,
110.5296

121.1459,

133.1841, 141.4816

152.4010,
167.0074, 177.7316

■ 10.5632, 12.2603,
12.6362

■ 10.5632, 12.2603,
12.6362

■ 9.5174, 11.7430,
11.6174

■ 11.7536, 12.8516,
13.7161

■ 8.6092, 11.2951,
10.6577

■ 13.0929, 13.5182,
14.8572

■ 7.8327, 10.9139,
9.7562

■ 14.5868, 14.2633,
16.0610

■ 7.1812, 10.5961,
8.9118

■ 16.2402, 15.0893,
17.3284

■ 6.6472, 10.3377,
8.1232

■ 18.0578, 15.9987,
18.6605

■ 6.2226, 10.1346,
7.3890

■ 20.0442, 16.9938,
20.0581

■ 5.8981, 9.9821,
6.7080

■ 22.2036, 18.0769,
21.5223

■ 5.6472, 9.8664,
6.0778

■ 24.5403, 19.2500,
23.0539

■ 5.5672, 9.8295,
5.8784

■ 27.0584, 20.5153,
24.6539

Harmonies

Analogous

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



10.8254, 12.2603, 11.2315



10.5632, 12.2603, 12.6362



10.5857, 12.2603, 14.3567

Triad

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



10.5632, 12.2603, 12.6362



11.9997, 12.2603, 16.7596



12.4532, 12.2603, 11.0648

Complementary

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



10.5632, 12.2603, 12.6362



10.6602, 10.0947, 11.5123

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.



12.7898, 12.2603, 12.3903



10.5632, 12.2603, 12.6362



12.5219, 12.2603, 15.7181

Square

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



10.5632, 12.2603, 12.6362



11.4013, 12.2603, 16.8398



12.8154, 12.2603, 14.0889



11.9085, 12.2603, 10.3780

Rectangle

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



10.5632, 12.2603, 12.6362



10.7591, 12.2603, 15.4541



12.8154, 12.2603, 14.0889



12.5952, 12.2603, 11.4450

Sweetspot

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



10.5635, 12.2608, 12.6365



20.9531, 22.7073, 24.3519



10.8134, 12.4388, 10.4253



4.9170, 5.3439, 5.7221



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.



10.5635, 12.2608, 12.6365



17.7792, 21.1320, 21.4500



10.7583, 12.1178, 14.3430



2.8583, 3.1671, 3.3553



7.1303, 12.6157, 7.4476



36.7458, 65.6209, 36.5132

Inverse Universe

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



10.6602, 10.0947, 11.5123



17.9831, 16.5630, 19.0792



10.4807, 10.2032, 10.0113



2.8718, 2.8634, 3.1977



7.5557, 3.8352, 3.0585



38.9926, 19.8370, 13.7700

Previews

White Background



This preview shows how the XYZ color 10.5632, 12.2603, 12.6362 looks on a white background.

Color Contrast Check

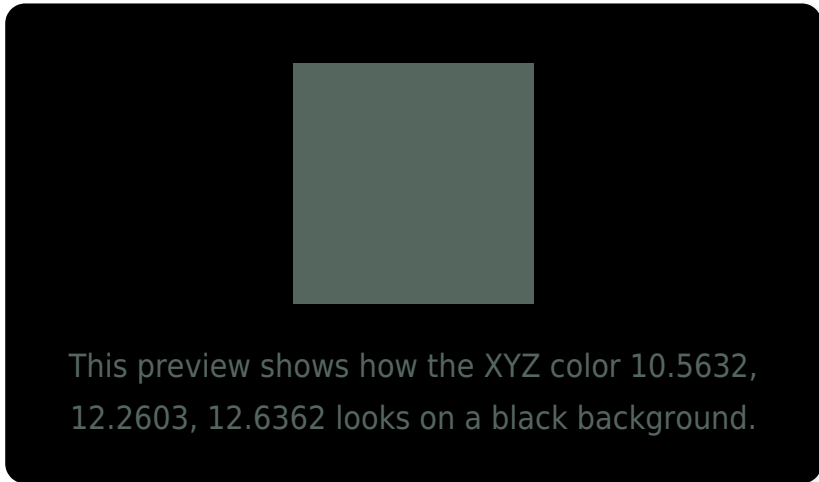
Large Text (above 18pt) WCAG AA ✓ Pass

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

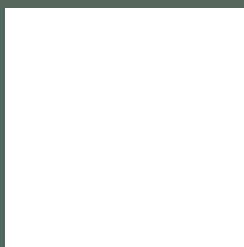
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.5632, 12.2603, 12.6362

Background



This preview shows how black text looks on a background with the XYZ color 10.5632, 12.2603, 12.6362.



This preview shows how white text looks on a background with the XYZ color 10.5632, 12.2603,

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

10.5632, 12.2603, 12.6362

Protanopia

11.7103, 12.2924, 12.1114

Deuteranopia

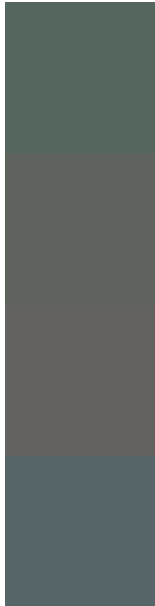
12.3879, 12.2171, 12.7716



Tritanopia

11.1944, 12.2233, 15.9567

Trichromacy



Original Color

10.5632, 12.2603, 12.6362

Protanomaly

11.2015, 12.1647, 12.3473

Deuteranomaly

11.7345, 12.2892, 12.8199

Tritanomaly

10.9396, 12.2651, 14.6228

Monochromacy



Original Color

10.5632, 12.2603, 12.6362

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.8926, 11.8552, 12.7805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5632, 12.2603, 12.6362 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(85, 102, 95) looks like.

```
.text, #text, p{  
    color:rgb(85, 102, 95)  
}
```

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(85, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 102, 95) }
```

Border

The CSS property to change the border of an element to XYZ 10.5632, 12.2603, 12.6362 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(85, 102, 95) }
```


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

```
.border{ border-color:rgb(85, 102, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 102, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(85, 102,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5632, 12.2603, 12.6362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 102, 95) }
```

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

```
.background{ background-color: rgb(85, 102,  
95) }
```

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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