

Converting Colors

XYZ(10.0699, 11.5326, 12.7500)

Have a look what the booklet for
XYZ(10.0699, 11.5326, 12.7500)
contains.

XYZ(10.1404, 11.6072, 12.7723)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.1404, 11.6072,
12.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	536360
RGB	83, 99, 96
RGB Percent	33%, 39%, 38%
CMY	0.6745, 0.6118, 0.6235
CMYK	0.16, 0.00, 0.03, 0.61
HSL	169°, 9%, 36%
HSV	169°, 16%, 39%
XYZ	10.1404, 11.6072, 12.7723
YIQ	93.8740, -8.5730, -4.3250

Conversions

Conversions Part 2

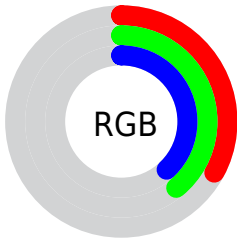
Format	Color
R_{YB}	83, 92, 99
Decimal	5464928
CIE Lab	40.58, -6.76, -0.34
CIE LCh	41, 6.767, 182.911
Yxy	11.6072, 0.2938, 0.3362
Android (android.graphics.Color)	4283655008 (0xFF536360)
YUV	93.8740, 1.0481, -9.5365
Hunter-Lab	34.0693, -6.4926, 1.6212

Details

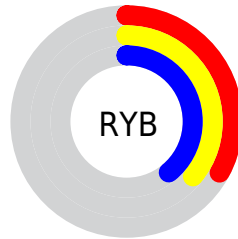
The XYZ color **10.1404, 11.6072, 12.7723** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.9189, 9.5113, 10.1176**, and the grayscale version is **10.6088, 11.1613, 12.1547**.

A 20% lighter version of the original color is **25.7675, 28.8746, 31.4094**, and **2.6030, 3.0983, 3.4785** is the 20% darker color. If you saturate the color by 10%, you get **9.2441, 11.1552, 12.2895**, and if you desaturate by 10%, it is **11.1641, 12.1253, 13.2721**.

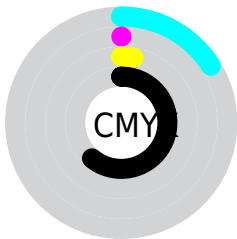
Distribution



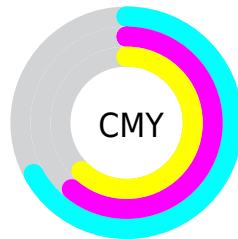
- Red (33%)
- Green (39%)
- Blue (38%)



- Red (33%)
- Yellow (36%)
- Blue (39%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (61%)



- Cyan (67%)
- Magenta (61%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1404, 11.6072, 12.7723 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 10.1404, 11.6072, 12.7723 by changing the saturation by 10% instead.

■ 10.1404, 11.6072,
12.7723

■ 10.1404, 11.6072,
12.7723

185.7040,
201.7872, 220.6095

■ 5.5551, 6.4768,
7.1431

■ 25.7065, 28.7776,
31.5793

■ 2.6146, 3.1371,
3.4719

■ 37.4181, 41.5865,
45.5941

■ 0.9534, 1.2037,
1.3404

■ 52.2358, 57.7236,
63.2412

■ 0.0000, 0.0648,
0.0945

■ 70.5250, 77.5734,
84.9390

■ 0.0000, 0.0000,
0.0000

■ 92.6511, 101.5203,
111.1063

118.9794,

129.9486, 142.1614

149.8752,
163.2428, 178.5230

■ 10.1404, 11.6072,
12.7723

■ 10.1404, 11.6072,
12.7723

■ 9.2441, 11.1552,
12.2895

■ 11.1641, 12.1253,
13.2721

■ 8.4691, 10.7652,
11.8226

■ 12.3192, 12.7105,
13.7884

■ 7.8099, 10.4347,
11.3715

■ 13.6108, 13.3659,
14.3218

■ 7.2604, 10.1605,
10.9359

■ 15.0433, 14.0936,
14.8726

■ 6.8141, 9.9392,
10.5154

■ 16.6209, 14.8960,
15.4410

■ 6.4634, 9.7671,
10.1095

■ 18.3478, 15.7751,
16.0272

■ 6.1999, 9.6397,
9.7178

■ 20.2279, 16.7328,
16.6316

■ 6.0002, 9.5449,
9.3392

■ 22.2648, 17.7713,
17.2544

■ 5.9261, 9.5097,
9.1966

■ 24.4624, 18.8922,
17.8957

Harmonies

Analogous

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



10.2348, 11.6072, 11.4781



10.1404, 11.6072, 12.7723



10.2792, 11.6072, 14.1217

Triad

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



10.1404, 11.6072, 12.7723



11.5388, 11.6072, 14.9771



11.4557, 11.6072, 10.4385

Complementary

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



10.1404, 11.6072, 12.7723



9.9189, 9.5113, 10.1176

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.



11.8213, 11.6072, 11.2626



10.1404, 11.6072, 12.7723



11.8702, 11.6072, 13.8740

Square

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



10.1404, 11.6072, 12.7723



11.0790, 11.6072, 15.4508



11.9750, 11.6072, 12.5052



10.9857, 11.6072, 10.1896

Rectangle

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



10.1404, 11.6072, 12.7723



10.4878, 11.6072, 14.8543



11.9750, 11.6072, 12.5052



11.5954, 11.6072, 10.6544

Sweetspot

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



10.1407, 11.6077, 12.7726



19.3424, 20.8964, 22.8557



9.8797, 11.5366, 9.8898



4.5764, 4.9562, 5.4228



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



10.1407, 11.6077, 12.7726



16.8516, 19.6370, 21.6266



9.8402, 10.7813, 13.3673



2.6213, 2.8873, 3.1661



7.7113, 12.3905, 11.9177



40.8927, 66.0720, 62.0730

Inverse Universe

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



9.9189, 9.5113, 10.1176



16.4018, 15.3847, 16.2420



10.1806, 10.2241, 9.6206



2.5906, 2.5972, 2.7986



6.8434, 3.5122, 1.0289



36.3063, 18.6620, 4.1673

Previews

White Background



This preview shows how the XYZ color 10.1404, 11.6072, 12.7723 looks on a white background.

Color Contrast Check

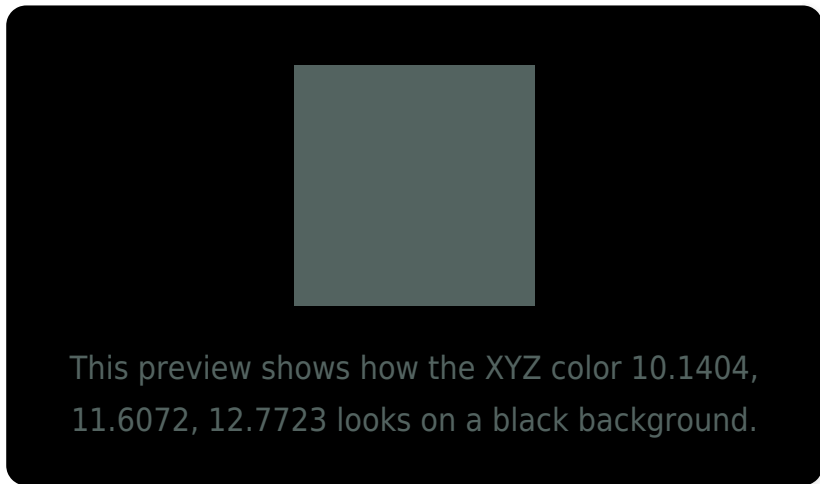
Large Text (above 18pt) WCAG AA ✓ Pass

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

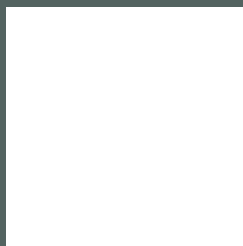
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1404, 11.6072, 12.7723

Background



This preview shows how black text looks on a background with the XYZ color 10.1404, 11.6072, 12.7723.



This preview shows how white text looks on a background with the XYZ color 10.1404, 11.6072,

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

10.1404, 11.6072, 12.7723

Protanopia

11.1496, 11.5892, 12.2390

Deuteranopia

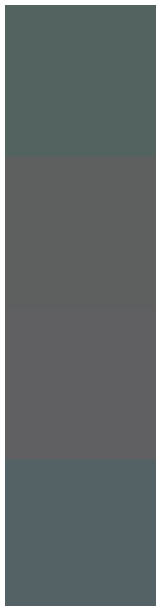
11.7809, 11.6348, 12.9341



Tritanopia

10.6638, 11.6866, 15.0583

Trichromacy



Original Color

10.1404, 11.6072, 12.7723

Protanomaly

10.7626, 11.5191, 12.4826

Deuteranomaly

11.0737, 11.5343, 12.9520

Tritanomaly

10.4221, 11.5795, 14.2561

Monochromacy



Original Color

10.1404, 11.6072, 12.7723

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4649, 11.3656, 12.4687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1404, 11.6072, 12.7723 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, 99, 96) looks like.

```
.text, #text, p{  
    color:rgb(83, 99, 96)  
}
```

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, 99, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 99, 96) }
```

Border

The CSS property to change the border of an element to XYZ 10.1404, 11.6072, 12.7723 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, 99, 96) }
```


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

```
.border{ border-color:rgb(83, 99, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 99, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 99, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 99, 96);  
box-shadow:4px 4px 4px 4px rgb(83, 99, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1404, 11.6072, 12.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 99, 96) }
```

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

```
.background{ background-color: rgb(83, 99,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor