

Converting Colors

XYZ(10.5745, 15.3921, 13.1305)

Have a look what the booklet for
XYZ(10.5745, 15.3921, 13.1305)
contains.

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Color

**XYZ(10.5903, 15.3708,
13.2352)**

Conversions

Conversions Part 1

Format	Color
Hex	39795F
RGB	57, 121, 95
RGB Percent	22%, 47%, 37%
CMY	0.7765, 0.5255, 0.6274
CMYK	0.53, 0.00, 0.21, 0.53
HSL	156°, 36%, 35%
HSV	156°, 53%, 47%
XYZ	10.5903, 15.3708, 13.2352
YIQ	98.9000, -29.7980, -21.6540

Conversions

Conversions Part 2

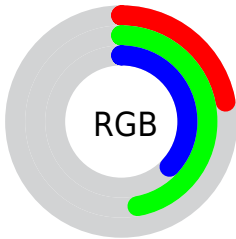
Format	Color
RYB	57, 97, 121
Decimal	3766623
CIELab	46.14, -27.24, 8.06
CIElCh	46, 28.405, 163.512
Yxy	15.3708, 0.2702, 0.3921
Android (android.graphics.Color)	4281956703 (0xFF39795F)
YUV	98.9000, -1.9227, -36.7463
Hunter-Lab	39.2056, -20.3930, 7.4286

Details

The XYZ color **10.5903, 15.3708, 13.2352** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.9102, 7.6162, 9.0793**, and the grayscale version is **11.8450, 12.4618, 13.5709**.

A 20% lighter version of the original color is **26.5536, 35.5676, 32.2538**, and **2.8717, 4.8565, 3.6918** is the 20% darker color. If you saturate the color by 10%, you get **9.7646, 14.9706, 12.0669**, and if you desaturate by 10%, it is **11.5954, 15.8627, 14.4862**.

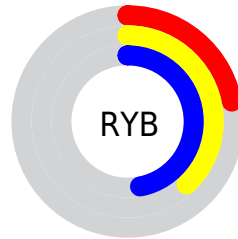
Distribution



Red (22%)

Green (47%)

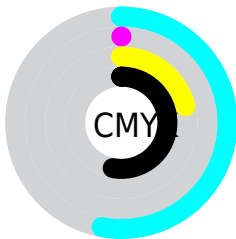
Blue (37%)



Red (22%)

Yellow (38%)

Blue (47%)

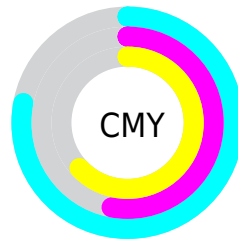


Cyan (53%)

Magenta (0%)

Yellow (21%)

Black (53%)



Cyan (78%)


Magenta (53%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.5903, 15.3708, 13.2352 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 10.5903, 15.3708, 13.2352 by changing the saturation by 10% instead.


 10.5903, 15.3708,
13.2352


 10.5903, 15.3708,
13.2352


188.8017,
225.5997, 223.6801


 5.8573, 9.0800,
7.4581


 26.5398, 35.5024,
32.4230


 2.7983, 4.7934,
3.6674

 38.4869, 50.1120,
46.6709


 1.0480, 2.1266,
1.4447

 53.5695, 68.2633,
64.5793

 0.0000, 0.6795,
0.1762

 72.1530, 90.3407,
86.5669

 0.0000, 0.0000,
0.0000

 94.6025, 116.7287,
113.0523

 121.2836,

147.8116, 144.4539

152.5615,
183.9738, 181.1903

■ 10.5903, 15.3708,
13.2352

■ 10.5903, 15.3708,
13.2352

■ 9.7646, 14.9706,
12.0669

■ 11.5954, 15.8627,
14.4862

■ 9.1049, 14.6539,
10.9783

■ 12.7896, 16.4500,
15.8207

■ 8.5980, 14.4144,
9.9677

■ 14.1834, 17.1386,
17.2408

■ 8.2269, 14.2434,
9.0330

■ 15.7861, 17.9331,
18.7481

■ 8.0022, 14.1411,
8.4118

■ 17.6063, 18.8380,
20.3443

■ 19.6525, 19.8576,
22.0310

■ 21.9321, 20.9958,
23.8096

■ 24.4528, 22.2565,
25.6817

■ 27.2215, 23.6431,
27.6486

Harmonies

Analogous

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



11.6372, 15.3708, 8.8192



10.5903, 15.3708, 13.2352



10.5400, 15.3708, 20.0432

Triad

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



10.5903, 15.3708, 13.2352



15.7227, 15.3708, 33.3034



18.2464, 15.3708, 9.1420

Complementary

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



10.5903, 15.3708, 13.2352



10.9102, 7.6162, 9.0793

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.



19.6111, 15.3708, 13.8145



10.5903, 15.3708, 13.2352



18.0492, 15.3708, 28.3659

Square

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



10.5903, 15.3708, 13.2352



13.3296, 15.3708, 33.0212



19.5352, 15.3708, 20.8058



15.9688, 15.3708, 6.9417

Rectangle

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



10.5903, 15.3708, 13.2352



11.0665, 15.3708, 25.2144



19.5352, 15.3708, 20.8058



18.8378, 15.3708, 10.4098

Sweetspot

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



10.5907, 15.3714, 13.2356



27.2172, 31.5910, 32.6068



11.2028, 15.8403, 6.3382



6.1168, 7.1705, 7.3560



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.5907, 15.3714, 13.2356



17.2662, 26.7017, 21.2699



11.3461, 14.6650, 20.3224



4.0414, 4.4862, 4.7518



8.5696, 15.1515, 8.9845



40.4479, 72.1022, 40.5923

Inverse Universe

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



10.9102, 7.6162, 9.0793



17.9088, 11.2558, 13.0236



10.3650, 7.8424, 4.8387



4.0595, 4.0395, 4.5111



9.0425, 4.5931, 3.5146



42.7343, 21.7501, 14.6628

Previews

White Background



This preview shows how the XYZ color 10.5903, 15.3708, 13.2352 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 10.5903, 15.3708, 13.2352 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 10.5903, 15.3708, 13.2352

Background



This preview shows how black text looks on a background with the XYZ color 10.5903, 15.3708, 13.2352.

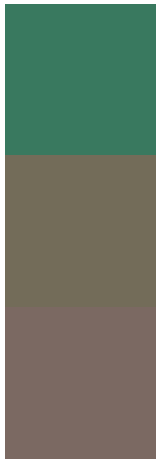


This preview shows how white text looks on a background with the XYZ color 10.5903, 15.3708,

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

10.5903, 15.3708, 13.2352

Protanopia

14.2360, 15.0912, 11.6138

Deuteranopia

15.4246, 15.1959, 13.6754



Tritanopia

12.3740, 15.3872, 22.0565

Trichromacy



Original Color

10.5903, 15.3708, 13.2352

Protanomaly

12.4095, 14.9453, 12.1282

Deuteranomaly

12.9877, 14.8846, 13.4978

Tritanomaly

11.6228, 15.2514, 18.5509

Monochromacy



Original Color

10.5903, 15.3708, 13.2352

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.1185, 13.2820, 13.5330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5903, 15.3708, 13.2352 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(57, 121, 95)` looks like.

```
.text, #text, p{  
    color:rgb(57, 121, 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(57, 121, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 121, 95) }
```

Border

The CSS property to change the border of an element to XYZ 10.5903, 15.3708, 13.2352 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(57, 121, 95) }
```


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

```
.border{ border-color:rgb(57, 121, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 121, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 121, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 121, 95);  
box-shadow:4px 4px 4px 4px rgb(57, 121,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5903, 15.3708, 13.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 121, 95) }
```

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

```
.background{ background-color: rgb(57, 121,  
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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