

Converting Colors

XYZ(10.6619, 15.7850, 12.4253)

Have a look what the booklet for
XYZ(10.6619, 15.7850, 12.4253)
contains.

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Color

**XYZ(10.6586, 15.7911,
12.3837)**

Conversions

Conversions Part 1

Format	Color
Hex	397B5B
RGB	57, 123, 91
RGB Percent	22%, 48%, 36%
CMY	0.7765, 0.5176, 0.6431
CMYK	0.54, 0.00, 0.26, 0.52
HSL	151°, 37%, 35%
HSV	151°, 54%, 48%
XYZ	10.6586, 15.7911, 12.3837
YIQ	99.6180, -29.0640, -23.9440

Conversions

Conversions Part 2

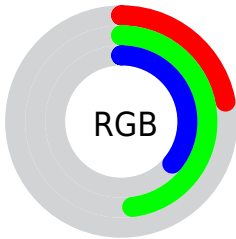
Format	Color
RYB	57, 101, 123
Decimal	3767131
CIELab	46.70, -29.14, 11.20
CIElCh	47, 31.219, 158.973
Yxy	15.7911, 0.2745, 0.4066
Android (android.graphics.Color)	4281957211 (0xFF397B5B)
YUV	99.6180, -4.2487, -37.3760
Hunter-Lab	39.7380, -21.6639, 9.3399

Details

The XYZ color **10.6586, 15.7911, 12.3837** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.4352, 7.8588, 10.3659**, and the grayscale version is **12.0320, 12.6586, 13.7852**.

A 20% lighter version of the original color is **26.6397, 36.2250, 30.7874**, and **2.8562, 4.9545, 3.2884** is the 20% darker color. If you saturate the color by 10%, you get **9.7935, 15.3741, 11.0534**, and if you desaturate by 10%, it is **11.7150, 16.3052, 13.8304**.

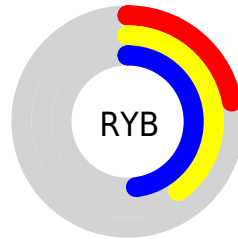
Distribution



Red (22%)

Green (48%)

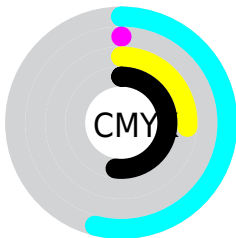
Blue (36%)



Red (22%)

Yellow (40%)

Blue (48%)

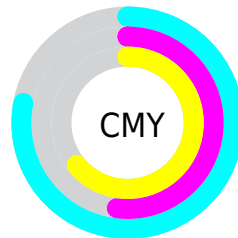


Cyan (54%)

Magenta (0%)

Yellow (26%)

Black (52%)



Cyan (78%)

Magenta (52%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6586, 15.7911, 12.3837 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 10.6586, 15.7911, 12.3837 by changing the saturation by 10% instead.

■ 10.6586, 15.7911,
12.3837

■ 10.6586, 15.7911,
12.3837

189.2672,
228.1059, 217.9965

■ 5.9034, 9.3765,
6.8799

■ 26.6657, 36.2352,
30.8668

■ 2.8265, 4.9875,
3.3098

■ 38.6483, 51.0334,
44.6832

■ 1.0627, 2.2399,
1.2549

■ 53.7706, 69.3949,
62.1074

■ 0.0000, 0.7416,
0.0244

■ 72.3982, 91.7041,
83.5582

■ 0.0000, 0.0000,
0.0000

■ 94.8963, 118.3454,
109.4539

■ 121.6302,

149.7032, 140.2132

152.9654,
186.1619, 176.2545

■ 10.6586, 15.7911,
12.3837

■ 10.6586, 15.7911,
12.3837

■ 9.7935, 15.3741,
11.0534

■ 11.7150, 16.3052,
13.8304

■ 9.1054, 15.0456,
9.8353

■ 12.9730, 16.9204,
15.3954

■ 8.5800, 14.7988,
8.7266

■ 14.4438, 17.6428,
17.0818

■ 8.1984, 14.6238,
7.7237

■ 16.1374, 18.4776,
18.8924

■ 7.9906, 14.5295,
7.1394

■ 18.0630, 19.4294,
20.8297

■ 20.2295, 20.5027,
22.8963

■ 22.6450, 21.7018,
25.0946

■ 25.3175, 23.0307,
27.4270

■ 28.2545, 24.4931,
29.8958

Harmonies

Analogous

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



11.9694, 15.7911, 8.0184



10.6586, 15.7911, 12.3837



10.4352, 15.7911, 19.6236

Triad

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



10.6586, 15.7911, 12.3837



15.8350, 15.7911, 36.5043



19.4267, 15.7911, 9.4234

Complementary

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



10.6586, 15.7911, 12.3837



11.4352, 7.8588, 10.3659

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.



20.7552, 15.7911, 14.9734



10.6586, 15.7911, 12.3837



18.5239, 15.7911, 31.5696

Square

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



10.6586, 15.7911, 12.3837



13.2190, 15.7911, 35.1833



20.4063, 15.7911, 23.1116



16.9536, 15.7911, 6.7007

Rectangle

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



10.6586, 15.7911, 12.3837



10.9029, 15.7911, 25.4662



20.4063, 15.7911, 23.1116



20.0347, 15.7911, 10.9403

Sweetspot

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



10.6590, 15.7917, 12.3841



28.0269, 32.6580, 32.9212



12.0384, 16.6357, 6.4475



6.4793, 7.6315, 7.6247



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.6590, 15.7917, 12.3841



17.2772, 27.4054, 19.3600



12.3460, 16.4665, 21.2673



4.0290, 4.4812, 4.6867



8.2632, 15.0289, 7.3707



38.9843, 71.5168, 32.8850

Inverse Universe

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



11.4352, 7.8588, 10.3659



18.8223, 11.6262, 15.3518



10.3704, 7.4329, 4.7591



4.0717, 4.0444, 4.5754



9.2813, 4.6887, 4.7721



43.8459, 22.1947, 20.5166

Previews

White Background



This preview shows how the XYZ color 10.6586, 15.7911, 12.3837 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 10.6586, 15.7911, 12.3837 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 10.6586, 15.7911, 12.3837

Background



This preview shows how black text looks on a background with the XYZ color 10.6586, 15.7911, 12.3837.



This preview shows how white text looks on a background with the XYZ color 10.6586, 15.7911,

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

10.6586, 15.7911, 12.3837

Protanopia

14.6868, 15.6593, 10.8428

Deuteranopia

15.8238, 15.5699, 12.9978



Tritanopia

12.7586, 15.7443, 22.7886

Trichromacy



Original Color

10.6586, 15.7911, 12.3837

Protanomaly

12.6749, 15.4364, 11.3283

Deuteranomaly

13.1814, 15.1632, 12.8217

Tritanomaly

11.9253, 15.7607, 18.6333

Monochromacy



Original Color

10.6586, 15.7911, 12.3837

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.1764, 13.4730, 13.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6586, 15.7911, 12.3837 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, 123, 91)` looks like.

```
.text, #text, p{  
    color:rgb(57, 123, 91)  
}
```

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, 123, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 123, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.6586, 15.7911, 12.3837 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, 123, 91) }
```


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

```
.border{ border-color:rgb(57, 123, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 123, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 123, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 123, 91);  
box-shadow:4px 4px 4px 4px rgb(57, 123,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6586, 15.7911, 12.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 123, 91) }
```

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

```
.background{ background-color: rgb(57, 123,  
91) }
```

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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