

Converting Colors

XYZ(10.3867, 12.9795, 10.1417)

Have a look what the booklet for
XYZ(10.3867, 12.9795, 10.1417)
contains.

XYZ(10.3863, 12.9789, 10.1414)	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(10.3863, 12.9789,
10.1414)**

Conversions

Conversions Part 1

Format	Color
Hex	536B53
RGB	83, 107, 83
RGB Percent	33%, 42%, 33%
CMY	0.6745, 0.5804, 0.6745
CMYK	0.22, 0.00, 0.22, 0.58
HSL	120°, 13%, 37%
HSV	120°, 22%, 42%
XYZ	10.3863, 12.9789, 10.1414
YIQ	97.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

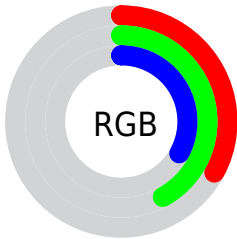
Format	Color
R_{YB}	83, 107, 107
Decimal	5466963
CIE _{Lab}	42.73, -14.11, 10.60
CIE _{LCh}	43, 17.649, 143.076
Yxy	12.9789, 0.3100, 0.3874
Android (android.graphics.Color)	4283657043 (0xFF536B53)
YUV	97.0880, -6.9454, -12.3552
Hunter-Lab	36.0262, -11.5847, 8.5282

Details

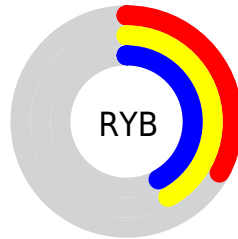
The XYZ color **10.3863, 12.9789, 10.1414** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8109, 10.3741, 15.2903**, and the grayscale version is **11.4019, 11.9957, 13.0633**.

A 20% lighter version of the original color is **26.1334, 31.1337, 26.8223**, and **2.7287, 3.7650, 2.4166** is the 20% darker color. If you saturate the color by 10%, you get **9.1324, 12.3770, 8.0902**, and if you desaturate by 10%, it is **11.8504, 13.6826, 12.5359**.

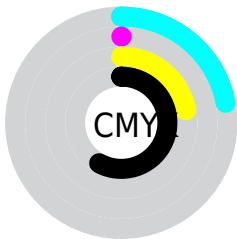
Distribution



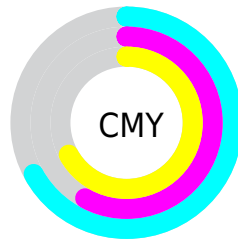
- Red (33%)
- Green (42%)
- Blue (33%)



- Red (33%)
- Yellow (42%)
- Blue (42%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (58%)



- Cyan (67%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3863, 12.9789, 10.1414 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 10.3863, 12.9789, 10.1414 by changing the saturation by 10% instead.

■ 10.3863, 12.9789,
10.1414

■ 10.3863, 12.9789,
10.1414

187.4039,
210.7824, 202.1997

■ 5.7201, 7.4140,
5.3860

■ 26.1627, 31.2659,
26.6731

■ 2.7146, 3.7223,
2.4128

■ 38.0036, 44.7568,
39.2864

■ 1.0047, 1.5195,
0.7934

■ 52.9668, 61.6584,
55.3562

■ 0.0000, 0.3024,
0.0000

■ 71.4176, 82.3553,
75.3008

■ 0.0000, 0.0000,
0.0000

■ 93.7213, 107.2317,
99.5390

120.2434,

136.6721, 128.4891

151.3491,
171.0609, 162.5699

■ 10.3863, 12.9789,
10.1414

■ 10.3863, 12.9789,
10.1414

■ 9.1324, 12.3770,
8.0902

■ 11.8504, 13.6826,
12.5359

■ 8.0781, 11.8706,
6.3657

■ 13.5326, 14.4906,
15.2875

■ 7.2135, 11.4552,
4.9514

■ 15.4418, 15.4077,
18.4103

■ 6.5272, 11.1256,
3.8289

■ 17.5860, 16.4376,
21.9174

■ 6.0069, 10.8756,
2.9778

■ 19.9726, 17.5841,
25.8211

■ 5.6384, 10.6986,
2.3751

■ 22.6091, 18.8505,
30.1335

■ 5.4037, 10.5859,
1.9911

■ 25.5023, 20.2403,
34.8658

■ 5.2579, 10.5159,
1.7527

■ 28.6590, 21.7566,
40.0291

■ 32.0856, 23.4026,
45.6338

Harmonies

Analogous

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



11.3522, 12.9789, 8.3657



10.3863, 12.9789, 10.1414



9.9480, 12.9789, 13.2597

Triad

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



10.3863, 12.9789, 10.1414



12.0276, 12.9789, 22.8093



14.8651, 12.9789, 11.4290

Complementary

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



10.3863, 12.9789, 10.1414



11.8109, 10.3741, 15.2903

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.



15.0786, 12.9789, 15.0414



10.3863, 12.9789, 10.1414



13.3752, 12.9789, 22.0778

Square

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



10.3863, 12.9789, 10.1414



10.8501, 12.9789, 20.9001



14.5157, 12.9789, 19.0518



13.9518, 12.9789, 9.0096

Rectangle

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



10.3863, 12.9789, 10.1414



9.9897, 12.9789, 15.8704



14.5157, 12.9789, 19.0518



15.0237, 12.9789, 12.5251

Sweetspot

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



10.3866, 12.9795, 10.1417



22.7454, 25.2328, 24.9433



12.8830, 14.2664, 10.2584



5.4788, 6.0946, 5.9938



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.3866, 12.9795, 10.1417



17.3549, 22.6434, 16.1262



10.8909, 13.1812, 12.7970



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1322



32.5920, 65.1839, 10.8641

Inverse Universe

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



11.8109, 10.3741, 15.2903



20.3985, 17.0761, 27.1283



11.2226, 10.1388, 12.1923



3.2176, 3.1639, 3.8760



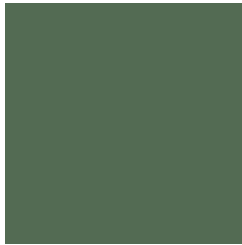
10.6049, 5.0941, 17.3458



54.0366, 25.9566, 88.3843

Previews

White Background



This preview shows how the XYZ color 10.3863, 12.9789, 10.1414 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 10.3863, 12.9789, 10.1414 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 10.3863, 12.9789, 10.1414

Background



This preview shows how black text looks on a background with the XYZ color 10.3863, 12.9789, 10.1414.



This preview shows how white text looks on a background with the XYZ color 10.3863, 12.9789,

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

10.3863, 12.9789, 10.1414

Protanopia

12.0685, 12.8193, 9.4277

Deuteranopia

13.1168, 12.9183, 10.3965



Tritanopia

11.7440, 12.9229, 16.9143

Trichromacy



Original Color

10.3863, 12.9789, 10.1414

Protanomaly

11.3725, 12.8912, 9.6734

Deuteranomaly

11.9628, 12.8905, 10.2451

Tritanomaly

11.1370, 12.8186, 14.1992

Monochromacy



Original Color

10.3863, 12.9789, 10.1414

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9991, 12.3554, 11.9303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3863, 12.9789, 10.1414 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, 107, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 107, 83)  
}
```

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, 107, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 107, 83) }
```

Border

The CSS property to change the border of an element to XYZ 10.3863, 12.9789, 10.1414 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, 107, 83) }
```


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

```
.border{ border-color:rgb(83, 107, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 107, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 107, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 107, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 107,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3863, 12.9789, 10.1414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 107, 83) }
```

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

```
.background{ background-color: rgb(83, 107,  
83) }
```

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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