

Converting Colors

XYZ(10.0810, 15.7937, 10.3903)

Have a look what the booklet for
XYZ(10.0810, 15.7937, 10.3903)
contains.

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Color

**XYZ(10.0082, 15.6875,
10.2851)**

Conversions

Conversions Part 1

Format	Color
Hex	327C51
RGB	50, 124, 81
RGB Percent	20%, 49%, 32%
CMY	0.8039, 0.5137, 0.6823
CMYK	0.60, 0.00, 0.35, 0.51
HSL	145°, 43%, 34%
HSV	145°, 60%, 49%
XYZ	10.0082, 15.6875, 10.2851
YIQ	96.9720, -30.3010, -29.0610

Conversions

Conversions Part 2

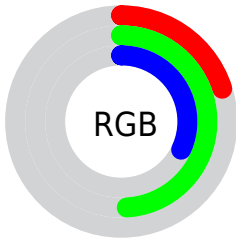
Format	Color
R _Y B	50, 102, 124
Decimal	3308625
CIE Lab	46.56, -33.56, 16.78
CIE LCh	47, 37.518, 153.432
Yxy	15.6875, 0.2782, 0.4360
Android (android.graphics.Color)	4281498705 (0xFF327C51)
YUV	96.9720, -7.8742, -41.1944
Hunter-Lab	39.6074, -24.2088, 12.3290

Details

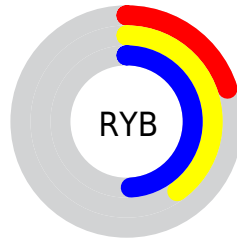
The XYZ color **10.0082, 15.6875, 10.2851** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.4290, 7.3568, 11.1738**, and the grayscale version is **11.3797, 11.9724, 13.0379**.

A 20% lighter version of the original color is **25.4124, 35.9665, 27.0756**, and **2.7672, 5.0249, 2.4931** is the 20% darker color. If you saturate the color by 10%, you get **9.2218, 15.3121, 8.9121**, and if you desaturate by 10%, it is **10.9898, 16.1611, 11.8177**.

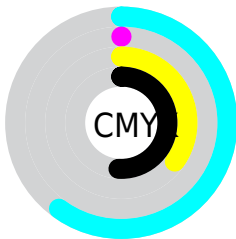
Distribution



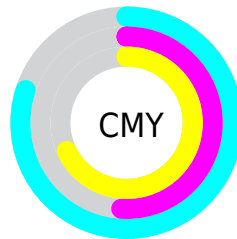
- Red (20%)
- Green (49%)
- Blue (32%)



- Red (20%)
- Yellow (40%)
- Blue (49%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (51%)



- Cyan (80%)
- Magenta (51%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0082, 15.6875, 10.2851 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 10.0082, 15.6875, 10.2851 by changing the saturation by 10% instead.

■ 10.0082, 15.6875,
10.2851

■ 10.0082, 15.6875,
10.2851

184.7830,
227.4906, 203.2531

■ 5.4667, 9.3033,
5.4803

■ 25.4605, 36.0548,
26.9465

■ 2.5612, 4.9395,
2.4681

■ 37.1019, 50.8067,
39.6403

■ 0.9262, 2.2118,
0.8232

■ 51.8408, 69.1167,
55.8008

■ 0.0000, 0.7264,
0.0000

■ 70.0423, 91.3691,
75.8465

■ 0.0000, 0.0000,
0.0000

■ 92.0720, 117.9482,
100.1961

■ 118.2951,

149.2386, 129.2680

149.0770,
185.6246, 163.4809

■ 10.0082, 15.6875,
10.2851

■ 10.0082, 15.6875,
10.2851

■ 9.2218, 15.3121,
8.9121

■ 10.9898, 16.1611,
11.8177

■ 8.6147, 15.0255,
7.6922

■ 12.1784, 16.7375,
13.5138

■ 8.1704, 14.8198,
6.6201

■ 13.5862, 17.4235,
15.3786

■ 7.8368, 14.6681,
5.6882

■ 15.2243, 18.2245,
17.4167

■ 7.8266, 14.6634,
5.6604

■ 17.1028, 19.1458,
19.6326

■ 19.2312, 20.1922,
22.0304

■ 21.6186, 21.3682,
24.6144

■ 24.2736, 22.6782,
27.3884

■ 27.2043, 24.1264,
30.3563

Harmonies

Analogous

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



11.7379, 15.6875, 6.1065



10.0082, 15.6875, 10.2851



9.5211, 15.6875, 18.1702

Triad

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



10.0082, 15.6875, 10.2851



15.2861, 15.6875, 41.7643



20.7306, 15.6875, 9.0229

Complementary

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



10.0082, 15.6875, 10.2851



11.4290, 7.3568, 11.1738

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.



22.0254, 15.6875, 16.0362



10.0082, 15.6875, 10.2851



18.6087, 15.6875, 36.6907

Square

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



10.0082, 15.6875, 10.2851



12.2966, 15.6875, 38.4956



21.1981, 15.6875, 26.3572



17.8708, 15.6875, 5.5847

Rectangle

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



10.0082, 15.6875, 10.2851



9.8982, 15.6875, 25.1940



21.1981, 15.6875, 26.3572



21.3806, 15.6875, 10.9286

Sweetspot

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



10.0086, 15.6881, 10.2855



27.1802, 32.2606, 31.1187



12.3149, 16.9822, 5.6464



6.2215, 7.5098, 7.1113



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.



10.0086, 15.6881, 10.2855



15.7604, 26.7232, 14.7854



11.7836, 16.3981, 19.6325



4.0141, 4.4752, 4.6079



7.9549, 14.9056, 5.7475



37.5408, 70.9394, 25.2837

Inverse Universe

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



11.4290, 7.3568, 11.1738



18.5006, 10.5903, 16.4549



10.1710, 6.8536, 4.5496



4.0868, 4.0504, 4.6548



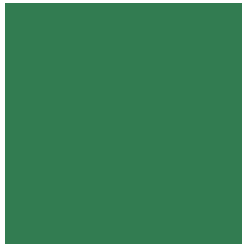
9.6397, 4.8320, 6.6596



45.5504, 22.8765, 29.4923

Previews

White Background



This preview shows how the XYZ color 10.0082, 15.6875, 10.2851 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 10.0082, 15.6875, 10.2851 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 10.0082, 15.6875, 10.2851

Background



This preview shows how black text looks on a background with the XYZ color 10.0082, 15.6875, 10.2851.



This preview shows how white text looks on a background with the XYZ color 10.0082, 15.6875,

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

10.0082, 15.6875, 10.2851

Protanopia

14.4537, 15.5818, 8.9024

Deuteranopia

15.7445, 15.4262, 10.7420



Tritanopia

12.4891, 15.6054, 22.7760

Trichromacy



Original Color

10.0082, 15.6875, 10.2851

Protanomaly

12.0864, 15.1770, 9.3136

Deuteranomaly

12.6499, 14.9378, 10.6041

Tritanomaly

11.3893, 15.5104, 17.4325

Monochromacy



Original Color

10.0082, 15.6875, 10.2851

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.4543, 12.9762, 11.8512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0082, 15.6875, 10.2851 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(50, 124, 81)` looks like.

```
.text, #text, p{  
    color:rgb(50, 124, 81)  
}
```

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(50, 124, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 124, 81) }
```

Border

The CSS property to change the border of an element to XYZ 10.0082, 15.6875, 10.2851 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(50, 124, 81) }
```


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

```
.border{ border-color:rgb(50, 124, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 124, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 124, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 124, 81);  
box-shadow:4px 4px 4px 4px rgb(50, 124,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0082, 15.6875, 10.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 124, 81) }
```

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

```
.background{ background-color: rgb(50, 124,  
81) }
```

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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