

Converting Colors

XYZ(9.6113, 15.4542, 13.5564)

Have a look what the booklet for
XYZ(9.6113, 15.4542, 13.5564)
contains.

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Color

**XYZ(9.5875, 15.3983,
13.5332)**

Conversions

Conversions Part 1

Format	Color
Hex	137C60
RGB	19, 124, 96
RGB Percent	7%, 49%, 38%
CMY	0.9255, 0.5137, 0.6235
CMYK	0.85, 0.00, 0.23, 0.51
HSL	164°, 73%, 28%
HSV	164°, 85%, 49%
XYZ	9.5875, 15.3983, 13.5332
YIQ	89.4130, -53.5920, -30.9680

Conversions

Conversions Part 2

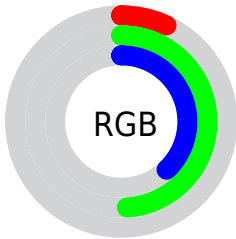
Format	Color
RYB	19, 80, 124
Decimal	1277024
CIELab	46.17, -35.24, 7.39
CIELCh	46, 36.010, 168.162
Yxy	15.3983, 0.2489, 0.3998
Android (android.graphics.Color)	4279467104 (0xFF137C60)
YUV	89.4130, 3.2474, -61.7522
Hunter-Lab	39.2407, -25.0590, 7.0207

Details

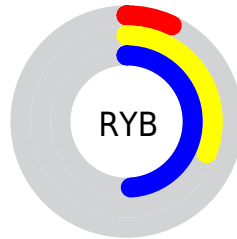
The XYZ color **9.5875, 15.3983, 13.5332** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.0586, 4.9564, 3.1690**, and the grayscale version is **9.5890, 10.0884, 10.9863**.

A 20% lighter version of the original color is **24.6448, 35.4357, 33.1446**, and **3.0245, 5.1278, 3.8480** is the 20% darker color. If you saturate the color by 10%, you get **9.2529, 15.2434, 12.7397**, and if you desaturate by 10%, it is **10.0521, 15.6202, 14.3669**.

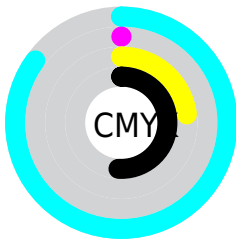
Distribution



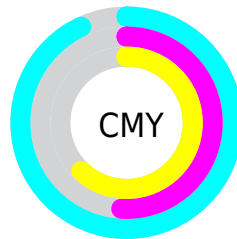
- Red (7%)
- Green (49%)
- Blue (38%)



- Red (7%)
- Yellow (31%)
- Blue (49%)



- Cyan (85%)
- Magenta (0%)
- Yellow (23%)
- Black (51%)





- Cyan (93%)
- Magenta (51%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.5875, 15.3983, 13.5332 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 9.5875, 15.3983, 13.5332 by changing the saturation by 10% instead.


 9.5875, 15.3983,
13.5332


 9.5875, 15.3983,
13.5332


181.8180,
225.7645, 225.6337

 5.1865, 9.0994,
7.6617


 24.6735, 35.5504,
32.9636


 2.3930, 4.8061,
3.7946

 36.0891, 50.1724,
47.3595


 0.8416, 2.1339,
1.5134

 50.5737, 68.3376,
65.4340

 0.0000, 0.6836,
0.2278

 68.4926, 90.4303,
87.6056

 0.0000, 0.0000,
0.0000

 90.2111, 116.8349,
114.2928

 116.0946,

147.9359, 145.9142

146.5084,
184.1177, 182.8883

■ 9.5875, 15.3983,
13.5332

■ 9.5875, 15.3983,
13.5332

■ 9.2529, 15.2434,
12.7397

■ 10.0521, 15.6202,
14.3669

■ 9.0934, 15.1701,
12.3314

■ 10.6671, 15.9186,
15.2412

■ 11.4477, 16.3015,
16.1575

■ 12.4068, 16.7757,
17.1167

■ 13.5561, 17.3472,
18.1199

■ 14.9064, 18.0215,
19.1678

■ 16.4673, 18.8036,
20.2613

■ 18.2481, 19.6982,
21.4012

■ 20.2575, 20.7099,
22.5883

Harmonies

Analogous

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



10.6655, 15.3983, 7.8325



9.5875, 15.3983, 13.5332



9.7151, 15.3983, 22.6033

Triad

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



9.5875, 15.3983, 13.5332



16.5526, 15.3983, 38.4902



18.9342, 15.3983, 7.0656

Complementary

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



9.5875, 15.3983, 13.5332



9.0586, 4.9564, 3.1690

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.



20.9876, 15.3983, 12.0318



9.5875, 15.3983, 13.5332



19.4858, 15.3983, 30.7505

Square

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



9.5875, 15.3983, 13.5332



13.4583, 15.3983, 39.3358



21.2025, 15.3983, 20.4768



15.8796, 15.3983, 5.0703

Rectangle

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



9.5875, 15.3983, 13.5332



10.4697, 15.3983, 29.5228



21.2025, 15.3983, 20.4768



19.7817, 15.3983, 8.3432

Sweetspot

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



9.5879, 15.3989, 13.5336



25.9975, 31.5957, 33.5570



8.5802, 15.1097, 3.0805



5.9539, 7.3568, 7.7757



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.



9.5879, 15.3989, 13.5336



15.9424, 26.6710, 21.3876



8.5851, 10.9502, 20.7307



4.0636, 4.4951, 4.8688



9.2429, 15.4208, 12.5297



43.7223, 73.4119, 57.8348

Inverse Universe

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



9.0586, 4.9564, 3.1690



15.0606, 7.7140, 2.9655



9.2493, 5.9707, 1.2812



4.0381, 4.0310, 4.3986



8.7292, 4.4678, 1.8649



41.3309, 21.1887, 7.2726

Previews

White Background



This preview shows how the XYZ color 9.5875, 15.3983, 13.5332 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 9.5875, 15.3983, 13.5332 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 9.5875, 15.3983, 13.5332

Background



This preview shows how black text looks on a background with the XYZ color 9.5875, 15.3983, 13.5332.



This preview shows how white text looks on a background with the XYZ color 9.5875, 15.3983,

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

9.5875, 15.3983, 13.5332

Protanopia

14.3003, 15.2867, 11.4294

Deuteranopia

15.5202, 15.2342, 14.1791



Tritanopia

11.6338, 15.5102, 23.1495

Trichromacy



Original Color

9.5875, 15.3983, 13.5332

Protanomaly

11.2139, 14.4954, 12.1044

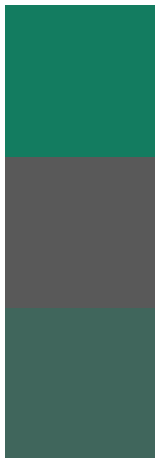
Deuteranomaly

11.7926, 14.4205, 13.9663

Tritanomaly

10.7079, 15.2992, 19.2183

Monochromacy



Original Color

9.5875, 15.3983, 13.5332

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.7975, 11.3654, 11.8553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5875, 15.3983, 13.5332 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(19, 124, 96)` looks like.

```
.text, #text, p{  
    color:rgb(19, 124, 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(19, 124, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 124, 96) }
```

Border

The CSS property to change the border of an element to XYZ 9.5875, 15.3983, 13.5332 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(19, 124, 96) }
```


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

```
.border{ border-color:rgb(19, 124, 96) }
```

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

Here you see how a box with a 4 pixel rgb(19, 124, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 124, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 124, 96);  
box-shadow:4px 4px 4px 4px rgb(19, 124,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5875, 15.3983, 13.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 124, 96) }
```

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

```
.background{ background-color: rgb(19, 124,  
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](#).

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