

Converting Colors

XYZ(9.4689, 13.7721, 19.0815)

Have a look what the booklet for
XYZ(9.4689, 13.7721, 19.0815)
contains.

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Color

**XYZ(9.4563, 13.7751,
18.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	007475
RGB	0, 116, 117
RGB Percent	0%, 45%, 46%
CMY	0.9999, 0.5451, 0.5412
CMYK	1.00, 0.01, 0.00, 0.54
HSL	181°, 100%, 23%
HSV	181°, 100%, 46%
XYZ	9.4563, 13.7751, 18.9901
YIQ	81.4300, -69.4570, -24.2810

Conversions

Conversions Part 2

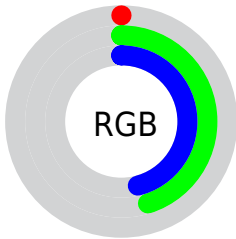
Format	Color
RYB	0, 58, 117
Decimal	29813
CIELab	43.91, -26.54, -8.45
CIELCh	44, 27.855, 197.663
Yxy	13.7751, 0.2240, 0.3263
Android (android.graphics.Color)	4278219893 (0xFF007475)
YUV	81.4300, 17.5360, -71.4141
Hunter-Lab	37.1148, -19.4718, -4.3558

Details

The XYZ color **9.4563, 13.7751, 18.9901** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3474, 3.8041, 0.3475**, and the grayscale version is **7.8836, 8.2942, 9.0323**.

A 20% lighter version of the original color is **24.4913, 32.8602, 42.5879**, and **3.0813, 4.4440, 6.3256** is the 20% darker color. If you saturate the color by 10%, you get **9.4565, 13.7755, 18.9904**, and if you desaturate by 10%, it is **9.6157, 13.8747, 19.0012**.

Distribution



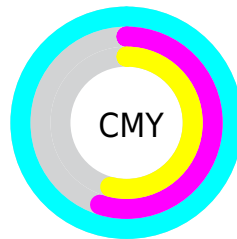
- Red (0%)
- Green (45%)
- Blue (46%)



- Red (0%)
- Yellow (23%)
- Blue (46%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4563, 13.7751, 18.9901 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 9.4563, 13.7751, 18.9901 by changing the saturation by 10% instead.

9.4563, 13.7751,
18.9901

9.4563, 13.7751,
18.9901

180.8823,
215.8272, 258.8150

5.0995, 7.9644,
11.4864

24.4268, 32.6894,
42.5538

2.3411, 4.0722,
6.2767

35.7711, 46.5619,
59.4510

0.8156, 1.7140,
2.9426

50.1754, 63.8904,
80.3163

0.0000, 0.4327,
1.0654

68.0048, 85.0593,
105.5684

0.0000, 0.0000,
0.0000

89.6249, 110.4530,
135.6257

115.4009,

140.4560, 170.9069

145.6983,
175.4526, 211.8305

■ 9.4563, 13.7751,
18.9901

■ 9.4563, 13.7751,
18.9901

■ 9.4565, 13.7755,
18.9904

■ 9.6157, 13.8747,
19.0012

■ 9.8426, 14.0088,
19.0151

■ 10.1883, 14.2041,
19.0346

■ 10.6666, 14.4679,
19.0603

■ 11.2895, 14.8062,
19.0928

■ 12.0674, 15.2244,
19.1325

■ 13.0100, 15.7276,
19.1799

■ 14.1261, 16.3202,
19.2355

■ 15.4239, 17.0065,
19.2996

Harmonies

Analogous

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



9.3745, 13.7751, 12.5526



9.4563, 13.7751, 18.9901



10.4415, 13.7751, 25.8755

Triad

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



9.4563, 13.7751, 18.9901



16.4812, 13.7751, 24.7454



14.0191, 13.7751, 5.9932

Complementary

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



9.4563, 13.7751, 18.9901



7.3474, 3.8041, 0.3475

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.



16.1587, 13.7751, 7.6982



9.4563, 13.7751, 18.9901



17.6835, 13.7751, 17.7436

Square

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



9.4563, 13.7751, 18.9901



14.4210, 13.7751, 29.7868



17.5593, 13.7751, 11.6099



11.8488, 13.7751, 6.1529

Rectangle

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



9.4563, 13.7751, 18.9901



11.5476, 13.7751, 29.2553



17.5593, 13.7751, 11.6099



14.7700, 13.7751, 6.3417

Sweetspot

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



9.4567, 13.7756, 18.9904



23.1524, 28.0862, 34.3379



6.3617, 12.7229, 2.1210



5.1894, 6.3862, 7.8881



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.4567, 13.7756, 18.9904



16.9282, 24.6568, 34.0040



4.7500, 4.3622, 17.4215



3.7808, 4.1502, 4.6920



10.4182, 15.1761, 20.9227



50.7348, 73.8863, 101.9478

Inverse Universe

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



10.4889, 5.0433, 16.9441



18.7792, 9.0293, 30.3271



8.8752, 6.8597, 0.8568



3.8254, 3.7574, 4.6071



11.5558, 5.5560, 18.6666



56.2953, 27.0683, 90.8735

Previews

White Background



This preview shows how the XYZ color 9.4563, 13.7751, 18.9901 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 9.4563, 13.7751, 18.9901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

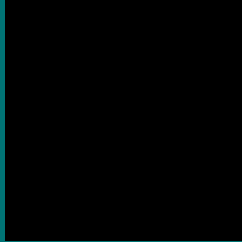
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.4563, 13.7751, 18.9901

Background



This preview shows how black text looks on a background with the XYZ color 9.4563, 13.7751, 18.9901.

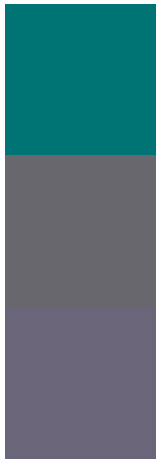


This preview shows how white text looks on a background with the XYZ color 9.4563, 13.7751, 18.9901.

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

9.4563, 13.7751, 18.9901

Protanopia

13.3195, 13.7477, 16.4196

Deuteranopia

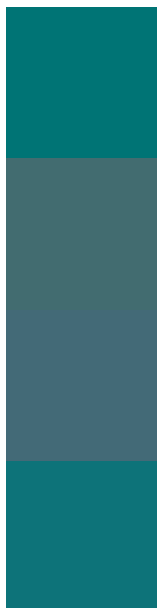
13.9877, 13.7276, 19.6818



Tritanopia

10.0573, 13.8654, 21.2150

Trichromacy



Original Color

9.4563, 13.7751, 18.9901

Protanomaly

10.5340, 13.0532, 17.2936

Deuteranomaly

10.7985, 12.8333, 19.3607

Tritanomaly

9.7479, 13.7275, 20.2251

Monochromacy



Original Color

9.4563, 13.7751, 18.9901

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.4393, 9.5436, 12.0397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4563, 13.7751, 18.9901 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(0, 116, 117)` looks like.

```
.text, #text, p{  
  color:rgb(0, 116, 117)  
}
```

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(0, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 117) }
```

Border

The CSS property to change the border of an element to XYZ 9.4563, 13.7751, 18.9901 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(0, 116, 117) }
```


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

```
.border{ border-color:rgb(0, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4563, 13.7751, 18.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 117) }
```

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

```
.background{ background-color: rgb(0, 116,  
117) }
```

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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