

Converting Colors

XYZ(7.5881, 13.8118, 14.3581)

Have a look what the booklet for
XYZ(7.5881, 13.8118, 14.3581)
contains.

XYZ(9.1376, 14.5948, 14.3921)	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(9.1376, 14.5948,
14.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	007964
RGB	0, 121, 100
RGB Percent	0%, 47%, 39%
CMY	1.0000, 0.5255, 0.6078
CMYK	1.00, 0.00, 0.17, 0.53
HSL	170°, 100%, 24%
HSV	170°, 100%, 47%
XYZ	9.1376, 14.5948, 14.3921
YIQ	82.4270, -65.3750, -32.1830

Conversions

Conversions Part 2

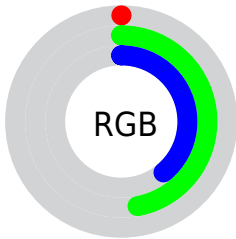
Format	Color
RYB	0, 66, 121
Decimal	31076
CIELab	45.07, -34.20, 3.42
CIELCh	45, 34.369, 174.287
Yxy	14.5948, 0.2397, 0.3828
Android (android.graphics.Color)	4278221156 (0xFF007964)
YUV	82.4270, 8.6635, -72.2885
Hunter-Lab	38.2031, -24.1611, 4.4061

Details

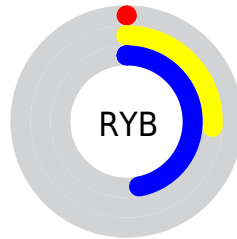
The XYZ color **9.1376, 14.5948, 14.3921** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.0210, 4.1195, 1.0823**, and the grayscale version is **8.0991, 8.5209, 9.2793**.

A 20% lighter version of the original color is **23.7825, 34.0842, 34.6036**, and **2.8958, 4.7635, 4.1350** is the 20% darker color. If you saturate the color by 10%, you get **9.1378, 14.5953, 14.3920**, and if you desaturate by 10%, it is **9.3940, 14.7155, 14.9420**.

Distribution



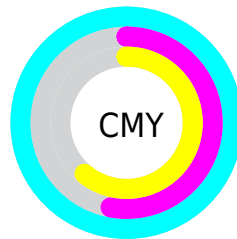
- Red (0%)
- Green (47%)
- Blue (39%)



- Red (0%)
- Yellow (26%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.1376, 14.5948, 14.3921 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 9.1376, 14.5948, 14.3921 by changing the saturation by 10% instead.

■ 9.1376, 14.5948,
14.3921

■ 9.1376, 14.5948,
14.3921

178.5865,
220.9004, 231.1693

■ 4.8889, 8.5355,
8.2520

■ 23.8249, 34.1408,
34.5102

■ 2.2163, 4.4395,
4.1666

■ 34.9942, 48.3962,
49.3254

■ 0.7513, 1.9223,
1.7172

■ 49.2011, 66.1525,
67.8693

■ 0.0000, 0.5617,
0.3724

■ 66.8109, 87.7940,
90.5605

■ 0.0000, 0.0000,
0.0000

■ 88.1890, 113.7052,
117.8176

■ 113.7007,

144.2704, 150.0590

143.7114,
179.8740, 187.7034

■ 9.1376, 14.5948,
14.3921

■ 9.1376, 14.5948,
14.3921

■ 9.1378, 14.5953,
14.3920

■ 9.3940, 14.7155,
14.9420

■ 9.7282, 14.8755,
15.5090

■ 10.1932, 15.1027,
16.0960

■ 10.8042, 15.4049,
16.7038

■ 11.5739, 15.7886,
17.3331

■ 12.5141, 16.2598,
17.9846

■ 13.6351, 16.8239,
18.6588

■ 14.9465, 17.4859,
19.3563

■ 16.4573, 18.2503,
20.0776

Harmonies

Analogous

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



9.9115, 14.5948, 8.4289



9.1376, 14.5948, 14.3921



9.4855, 14.5948, 23.1890

Triad

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



9.1376, 14.5948, 14.3921



16.2288, 14.5948, 34.7124



17.2912, 14.5948, 6.3095

Complementary

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



9.1376, 14.5948, 14.3921



8.0210, 4.1195, 1.0823

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.



19.4370, 14.5948, 10.3119



9.1376, 14.5948, 14.3921



18.7676, 14.5948, 26.8146

Square

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



9.1376, 14.5948, 14.3921



13.3381, 14.5948, 36.9470



20.0109, 14.5948, 17.4911



14.4198, 14.5948, 4.8923

Rectangle

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



9.1376, 14.5948, 14.3921



10.3347, 14.5948, 29.4206



20.0109, 14.5948, 17.4911



18.1361, 14.5948, 7.3143

Sweetspot

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



9.1380, 14.5954, 14.3924



24.2524, 30.0437, 33.3191



7.1727, 13.8480, 2.2951



5.3841, 6.7883, 7.5246



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.1380, 14.5954, 14.3924



16.3176, 26.1173, 25.5327



6.5208, 7.5194, 19.1974



4.0786, 4.5011, 4.9479



9.7887, 15.6391, 15.4039



46.4150, 74.4890, 72.0147

Inverse Universe

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



8.0210, 4.1195, 1.0823



14.3232, 7.3604, 1.7297



8.5890, 5.4721, 0.6038



4.0241, 4.0254, 4.3245



8.5920, 4.4129, 1.1423



40.7593, 20.9600, 4.2624

Previews

White Background



This preview shows how the XYZ color 9.1376, 14.5948, 14.3921 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 9.1376, 14.5948, 14.3921 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 9.1376, 14.5948, 14.3921

Background



This preview shows how black text looks on a background with the XYZ color 9.1376, 14.5948, 14.3921.



This preview shows how white text looks on a background with the XYZ color 9.1376, 14.5948,

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

9.1376, 14.5948, 14.3921

Protanopia

13.7679, 14.5255, 12.2033

Deuteranopia

14.6851, 14.4819, 15.1180



Tritanopia

10.8852, 14.6122, 22.3254

Trichromacy



Original Color

9.1376, 14.5948, 14.3921

Protanomaly

10.3485, 13.5347, 12.8935

Deuteranomaly

10.8482, 13.5870, 14.8828

Tritanomaly

10.0202, 14.4118, 19.0833

Monochromacy



Original Color

9.1376, 14.5948, 14.3921

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.4022, 9.8171, 10.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1376, 14.5948, 14.3921 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, 121, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 100)  
}
```

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, 121, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 100) }
```

Border

The CSS property to change the border of an element to XYZ 9.1376, 14.5948, 14.3921 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, 121, 100) }
```


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

```
.border{ border-color:rgb(0, 121, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1376, 14.5948, 14.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 100) }
```

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

```
.background{ background-color: rgb(0, 121,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor