

Converting Colors

XYZ(1.1004, 9.5454, 20.5237)

Have a look what the booklet for
XYZ(1.1004, 9.5454, 20.5237)
contains.

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Color

**XYZ(9.9364, 14.1526,
20.9469)**

Conversions

Conversions Part 1

Format	Color
Hex	00757B
RGB	0, 117, 123
RGB Percent	0%, 46%, 48%
CMY	0.9999, 0.5412, 0.5176
CMYK	1.00, 0.05, 0.00, 0.52
HSL	183°, 100%, 24%
HSV	183°, 100%, 48%
XYZ	9.9364, 14.1526, 20.9469
YIQ	82.7010, -71.6580, -22.9380

Conversions

Conversions Part 2

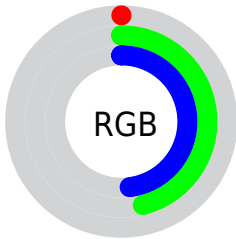
Format	Color
RYB	0, 60, 123
Decimal	30075
CIELab	44.45, -25.02, -11.23
CIELCh	44, 27.428, 204.170
Yxy	14.1526, 0.2206, 0.3143
Android (android.graphics.Color)	4278220155 (0xFF00757B)
YUV	82.7010, 19.8674, -72.5288
Hunter-Lab	37.6199, -18.6884, -6.6789

Details

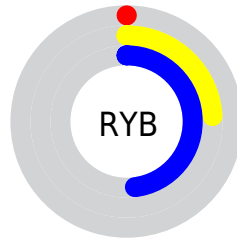
The XYZ color **9.9364, 14.1526, 20.9469** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.2338, 4.3416, 0.4044**, and the grayscale version is **8.1337, 8.5573, 9.3188**.

A 20% lighter version of the original color is **25.3370, 33.5069, 45.6895**, and **3.3032, 4.6287, 7.1979** is the 20% darker color. If you saturate the color by 10%, you get **9.9366, 14.1529, 20.9472**, and if you desaturate by 10%, it is **10.1628, 14.3737, 20.9779**.

Distribution



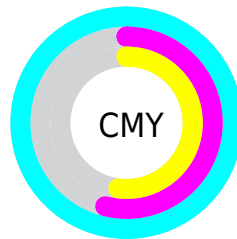
- Red (0%)
- Green (46%)
- Blue (48%)



- Red (0%)
- Yellow (24%)
- Blue (48%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9364, 14.1526, 20.9469 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 9.9364, 14.1526, 20.9469 by changing the saturation by 10% instead.

■ 9.9364, 14.1526,
20.9469

■ 9.9364, 14.1526,
20.9469

■ 184.2807,
218.1781, 269.7679

■ 5.4188, 8.2269,
12.8943

■ 25.3266, 33.3595,
45.8788

■ 2.5323, 4.2405,
7.2259

■ 36.9298, 47.4096,
63.5952

■ 0.9115, 1.8090,
3.5232

■ 51.6256, 64.9365,
85.3699

■ 0.0000, 0.4928,
1.3676

■ 69.7793, 86.3247,
111.6216

■ 0.0000, 0.0000,
0.1163

■ 91.7564, 111.9585,
142.7687

■ 0.0000, 0.0000,
0.0000

■ 117.9220,

142.2224, 179.2297

148.6417,
177.5008, 221.4233

■ 9.9364, 14.1526,
20.9469

■ 9.9364, 14.1526,
20.9469

■ 9.9366, 14.1529,
20.9472

■ 10.1628, 14.3737,
20.9779

■ 10.4688, 14.6363,
21.0125

■ 10.9083, 14.9683,
21.0534

■ 11.4969, 15.3778,
21.1014

■ 12.2481, 15.8719,
21.1572

■ 13.1739, 16.4566,
21.2212

■ 14.2853, 17.1377,
21.2941

■ 15.5921, 17.9202,
21.3763

■ 17.1037, 18.8089,
21.4682

Harmonies

Analogous

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



9.6528, 14.1526, 14.2067



9.9364, 14.1526, 20.9469



11.1151, 14.1526, 27.5272

Triad

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



9.9364, 14.1526, 20.9469



17.1979, 14.1526, 23.6847



13.8877, 14.1526, 6.1990

Complementary

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



9.9364, 14.1526, 20.9469



8.2338, 4.3416, 0.4044

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.



16.0946, 14.1526, 7.5012



9.9364, 14.1526, 20.9469



18.1355, 14.1526, 16.6789

Square

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



9.9364, 14.1526, 20.9469



15.2669, 14.1526, 29.3869



17.7112, 14.1526, 10.9461



11.7862, 14.1526, 6.7622

Rectangle

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



9.9364, 14.1526, 20.9469



12.3258, 14.1526, 30.3273



17.7112, 14.1526, 10.9461



14.6440, 14.1526, 6.4187

Sweetspot

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



9.9368, 14.1531, 20.9472



25.4203, 30.5914, 38.1216



7.1058, 14.1752, 2.4797



5.8165, 7.1010, 8.9671



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.



9.9368, 14.1531, 20.9472



17.7630, 25.2824, 37.5004



5.0587, 4.3969, 19.3212



4.0911, 4.4805, 5.0924



10.2781, 14.6386, 21.6691



48.8422, 69.4570, 103.3021

Inverse Universe

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



11.3796, 5.4957, 17.2911



20.3619, 9.8345, 30.8814



10.0939, 8.0616, 1.0244



4.1464, 4.0743, 4.9689



11.7712, 5.6846, 17.8840



56.0564, 27.0789, 84.8162

Previews

White Background



This preview shows how the XYZ color 9.9364, 14.1526, 20.9469 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 9.9364, 14.1526, 20.9469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

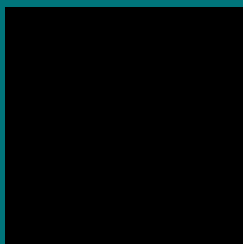
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9364, 14.1526, 20.9469

Background



This preview shows how black text looks on a background with the XYZ color 9.9364, 14.1526, 20.9469.



This preview shows how white text looks on a background with the XYZ color 9.9364, 14.1526,

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

9.9364, 14.1526, 20.9469

Protanopia

13.7537, 14.0815, 18.2128

Deuteranopia

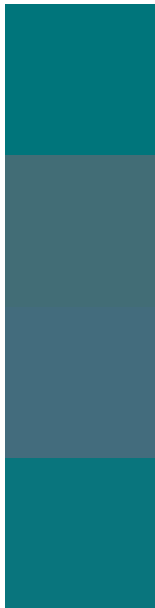
14.4418, 14.2101, 21.7203



Tritanopia

10.3083, 14.3223, 21.9598

Trichromacy



Original Color

9.9364, 14.1526, 20.9469

Protanomaly

10.9854, 13.4035, 19.1477

Deuteranomaly

11.3790, 13.3991, 21.3886

Tritanomaly

10.1756, 14.2613, 21.6184

Monochromacy



Original Color

9.9364, 14.1526, 20.9469

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.7650, 9.8231, 13.0421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9364, 14.1526, 20.9469 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, 117, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 123)  
}
```

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, 117, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 123) }
```

Border

The CSS property to change the border of an element to XYZ 9.9364, 14.1526, 20.9469 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, 117, 123) }
```


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

```
.border{ border-color:rgb(0, 117, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9364, 14.1526, 20.9469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 123) }
```

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

```
.background{ background-color: rgb(0, 117,  
123) }
```

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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