

Converting Colors

XYZ(10.1940, 20.7557, 21.3028)

Have a look what the booklet for
XYZ(10.1940, 20.7557, 21.3028)
contains.

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Color

**XYZ(14.1376, 22.8510,
21.4348)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009578 |
| RGB | 0, 149, 120 |
| RGB Percent | 0%, 58%, 47% |
| CMY | 1.0000, 0.4157, 0.5294 |
| CMYK | 1.00, 0.00, 0.19, 0.42 |
| HSL | 168°, 100%, 29% |
| HSV | 168°, 100%, 58% |
| XYZ | 14.1376, 22.8510, 21.4348 |
| YIQ | 101.1430, -79.4950, -40.6070 |

Conversions

Conversions Part 2

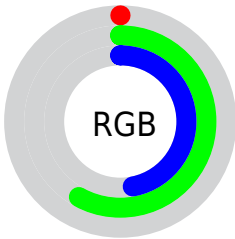
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 83, 149 |
| Decimal | 38264 |
| CIELab | 54.92, -40.76, 5.93 |
| CIELCh | 55, 41.191, 171.726 |
| Yxy | 22.8510, 0.2420, 0.3911 |
| Android (android.graphics.Color) | 4278228344 (0xFF009578) |
| YUV | 101.1430, 9.2965, -88.7024 |
| Hunter-Lab | 47.8027, -30.8636, 6.8762 |

Details

The XYZ color **14.1376, 22.8510, 21.4348** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6170, 6.4788, 1.7488**, and the grayscale version is **12.3992, 13.0449, 14.2059**.

A 20% lighter version of the original color is **32.8770, 48.1427, 46.5894**, and **5.4444, 9.0173, 7.5844** is the 20% darker color. If you saturate the color by 10%, you get **14.1379, 22.8518, 21.4346**, and if you desaturate by 10%, it is **14.5124, 23.0241, 22.3858**.

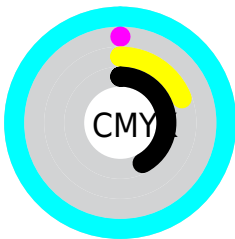
Distribution



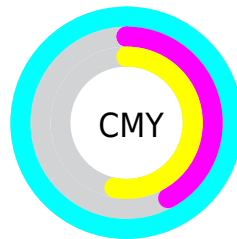
- Red (0%)
- Green (58%)
- Blue (47%)



- Red (0%)
- Yellow (33%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1376, 22.8510, 21.4348 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 14.1376, 22.8510, 21.4348 by changing the saturation by 10% instead.

■ 14.1376, 22.8510,
21.4348

■ 14.1376, 22.8510,
21.4348

■ 211.5787,
266.9588, 272.4368

■ 8.2988, 14.4835,
13.2479

■ 32.9172, 48.1486,
46.7002

■ 4.3401, 8.4577,
7.4667

■ 46.5887, 65.8474,
64.6157

■ 1.8963, 4.3892,
3.6728

■ 63.6018, 87.4255,
86.6112

■ 0.5747, 1.8936,
1.4476

■ 84.3218, 113.2673,
113.1052

■ 0.0000, 0.5445,
0.1785

■ 109.1142,
143.7571, 144.5162

■ 0.0000, 0.0000,
0.0000

■ 138.3442,

179.2794, 181.2628

172.3773,
220.2185, 223.7635

■ 14.1376, 22.8510,
21.4348

■ 14.1376, 22.8510,
21.4348

■ 14.1379, 22.8518,
21.4346

■ 14.5124, 23.0241,
22.3858

■ 15.0309, 23.2702,
23.3711

■ 15.7601, 23.6242,
24.3945

■ 16.7257, 24.0994,
25.4576

■ 17.9498, 24.7073,
26.5616

■ 19.4518, 25.4578,
27.7075

■ 21.2493, 26.3600,
28.8966

■ 23.3584, 27.4222,
30.1296

■ 25.7940, 28.6520,
31.4077

Harmonies

Analogous

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



15.5298, 22.8510, 12.3292



14.1376, 22.8510, 21.4348



14.5412, 22.8510, 35.3979

Triad

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



14.1376, 22.8510, 21.4348



25.1341, 22.8510, 56.3131



27.6244, 22.8510, 9.9007

Complementary

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



14.1376, 22.8510, 21.4348



12.6170, 6.4788, 1.7488

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.



30.9392, 22.8510, 16.6853



14.1376, 22.8510, 21.4348



29.3670, 22.8510, 43.9329

Square

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



14.1376, 22.8510, 21.4348



20.4800, 22.8510, 58.9822



31.6181, 22.8510, 28.6778



23.0074, 22.8510, 7.3708

Rectangle

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



14.1376, 22.8510, 21.4348



15.8032, 22.8510, 45.6500



31.6181, 22.8510, 28.6778



28.9532, 22.8510, 11.6168

Sweetspot

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



14.1382, 22.8519, 21.4353



37.8390, 47.0978, 51.6145



11.2778, 21.7689, 3.6078



8.1032, 10.2956, 11.2575



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.1382, 22.8519, 21.4353



25.2545, 40.8975, 38.0493



10.4063, 12.1323, 30.2282



5.9162, 6.5431, 7.1697



11.9090, 19.2364, 18.0943



0.1557, 0.2394, 0.2739

Inverse Universe

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



12.6170, 6.4788, 1.7488



22.5422, 11.5811, 2.8577



13.3223, 8.2445, 0.8895



5.8442, 5.8327, 6.2858



10.6272, 5.4559, 1.5180



0.1386, 0.0702, 0.0633

Previews

White Background



This preview shows how the XYZ color 14.1376, 22.8510, 21.4348 looks on a white 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

Black Background



This preview shows how the XYZ color 14.1376, 22.8510, 21.4348 looks on a black 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

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

XYZ 14.1376, 22.8510, 21.4348

Background



This preview shows how black text looks on a background with the XYZ color 14.1376, 22.8510, 21.4348.

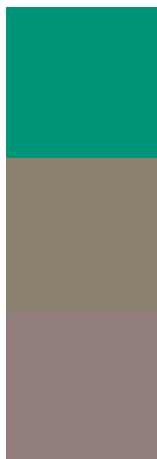


This preview shows how white text looks on a background with the XYZ color 14.1376, 22.8510,

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

14.1376, 22.8510, 21.4348

Protanopia

21.3331, 22.5162, 18.2606

Deuteranopia

23.0166, 22.5134, 22.5344



Tritanopia

17.0562, 22.9047, 34.9746

Trichromacy



Original Color

14.1376, 22.8510, 21.4348



Protanomaly

16.0074, 21.1809, 19.1642



Deuteranomaly

16.6144, 20.8074, 21.8794



Tritanomaly

15.7435, 22.8021, 29.5581

Monochromacy



Original Color

14.1376, 22.8510, 21.4348



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

11.2996, 15.1296, 16.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1376, 22.8510, 21.4348 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, 149, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 120)  
}
```

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, 149, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.1376, 22.8510, 21.4348 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, 149, 120) }
```


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

```
.border{ border-color:rgb(0, 149, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1376, 22.8510, 21.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 120) }
```

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

```
.background{ background-color: rgb(0, 149,  
120) }
```

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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