

Converting Colors

XYZ(14.2279, 23.2564, 20.7717)

Have a look what the booklet for
XYZ(14.2279, 23.2564, 20.7717)
contains.

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Color

**XYZ(14.1764, 23.1207,
20.8551)**

Conversions

Conversions Part 1

Format	Color
Hex	009676
RGB	0, 150, 118
RGB Percent	0%, 59%, 46%
CMY	0.9999, 0.4118, 0.5372
CMYK	1.00, 0.00, 0.21, 0.41
HSL	167°, 100%, 29%
HSV	167°, 100%, 59%
XYZ	14.1764, 23.1207, 20.8551
YIQ	101.5020, -79.1280, -41.7520

Conversions

Conversions Part 2

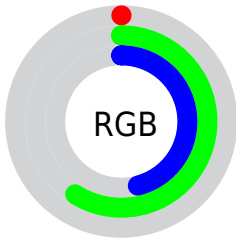
Format	Color
RYB	0, 84, 150
Decimal	38518
CIELab	55.20, -41.72, 7.47
CIELCh	55, 42.381, 169.854
Yxy	23.1207, 0.2438, 0.3976
Android (android.graphics.Color)	4278228598 (0xFF009676)
YUV	101.5020, 8.1335, -89.0173
Hunter-Lab	48.0840, -31.5206, 7.9434

Details

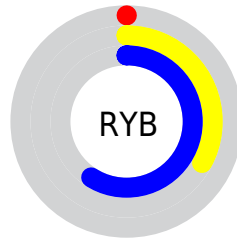
The XYZ color **14.1764, 23.1207, 20.8551** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8393, 6.5890, 1.9630**, and the grayscale version is **12.4955, 13.1463, 14.3163**.

A 20% lighter version of the original color is **32.9248, 48.5434, 45.6647**, and **5.4732, 9.1776, 7.2773** is the 20% darker color. If you saturate the color by 10%, you get **14.1766, 23.1214, 20.8544**, and if you desaturate by 10%, it is **14.5676, 23.3006, 21.8838**.

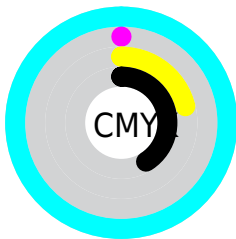
Distribution



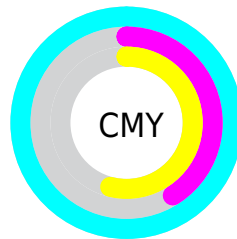
- Red (0%)
- Green (59%)
- Blue (46%)



- Red (0%)
- Yellow (33%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.1764, 23.1207, 20.8551 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 14.1764, 23.1207, 20.8551 by changing the saturation by 10% instead.


 14.1764, 23.1207,
20.8551

 14.1764, 23.1207,
20.8551

211.8142,
268.3443, 269.2631


 8.3260, 14.6827,
12.8279


 32.9854, 48.5914,
45.7239


 4.3578, 8.5970,
7.1808


 46.6746, 66.3929,
63.4026


 1.9065, 4.4792,
3.4953

 63.7075, 88.0843,
85.1356

 0.5806, 1.9451,
1.3528

 84.4494, 114.0501,
111.3413

 0.0000, 0.5753,
0.1045

 109.2657,
144.6746, 142.4384

 0.0000, 0.0000,
0.0000

 138.5216,

180.3422, 178.8454

172.5827,
221.4373, 220.9808

■ 14.1764, 23.1207,
20.8551

■ 14.1764, 23.1207,
20.8551

■ 14.1766, 23.1214,
20.8544

■ 14.5676, 23.3006,
21.8838

■ 15.1063, 23.5552,
22.9529

■ 15.8599, 23.9198,
24.0663

■ 16.8548, 24.4081,
25.2258

■ 18.1132, 25.0314,
26.4325

■ 19.6551, 25.8001,
27.6878

■ 21.4983, 26.7233,
28.9927

■ 23.6591, 27.8095,
30.3484

■ 26.1529, 29.0665,
31.7559

Harmonies

Analogous

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



15.7247, 23.1207, 11.8276



14.1764, 23.1207, 20.8551



14.4763, 23.1207, 35.1095

Triad

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



14.1764, 23.1207, 20.8551



25.2151, 23.1207, 58.5258



28.3838, 23.1207, 10.0401

Complementary

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



14.1764, 23.1207, 20.8551



12.8393, 6.5890, 1.9630

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.



31.6995, 23.1207, 17.3164



14.1764, 23.1207, 20.8551



29.6958, 23.1207, 46.0057

Square

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



14.1764, 23.1207, 20.8551



20.4105, 23.1207, 60.5533



32.2114, 23.1207, 30.0526



23.6186, 23.1207, 7.2422

Rectangle

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



14.1764, 23.1207, 20.8551



15.7009, 23.1207, 45.8543



32.2114, 23.1207, 30.0526



29.7321, 23.1207, 11.8891

Sweetspot

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



14.1770, 23.1216, 20.8556



37.7266, 47.0529, 51.0226



11.5186, 22.1289, 3.6647



8.0755, 10.2845, 11.1116



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.



14.1770, 23.1216, 20.8556



24.9518, 40.7764, 36.4550



10.8161, 12.8236, 30.7603



5.9117, 6.5413, 7.1458



11.7693, 19.1805, 17.3587



0.1547, 0.2390, 0.2684

Inverse Universe

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



12.8393, 6.5890, 1.9630



22.6032, 11.6054, 3.1787



13.4245, 8.1769, 0.8713



5.8484, 5.8344, 6.3080



10.6582, 5.4683, 1.6809



0.1396, 0.0706, 0.0688

Previews

White Background



This preview shows how the XYZ color 14.1764, 23.1207, 20.8551 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 14.1764, 23.1207, 20.8551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

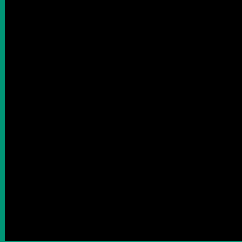
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.1764, 23.1207, 20.8551

Background



This preview shows how black text looks on a background with the XYZ color 14.1764, 23.1207, 20.8551.

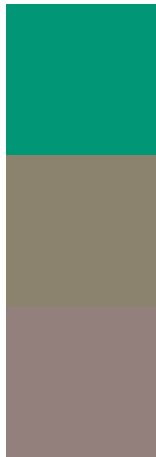


This preview shows how white text looks on a background with the XYZ color 14.1764, 23.1207,

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

14.1764, 23.1207, 20.8551

Protanopia

21.5241, 22.8257, 17.7394

Deuteranopia

23.1971, 22.8118, 21.9194



Tritanopia

17.3379, 23.2660, 35.4753

Trichromacy



Original Color

14.1764, 23.1207, 20.8551



Protanomaly

16.0376, 21.4215, 18.6187



Deuteranomaly

16.7313, 21.0881, 21.2777



Tritanomaly

15.8983, 23.1118, 29.6097

Monochromacy



Original Color

14.1764, 23.1207, 20.8551



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.4836, 15.4002, 16.5546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1764, 23.1207, 20.8551 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, 150, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 118)  
}
```

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, 150, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 118) }
```

Border

The CSS property to change the border of an element to XYZ 14.1764, 23.1207, 20.8551 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, 150, 118) }
```


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

```
.border{ border-color:rgb(0, 150, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1764, 23.1207, 20.8551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 118) }
```

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

```
.background{ background-color: rgb(0, 150,  
118) }
```

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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