

Converting Colors

XYZ(8.4126, 17.3886, 31.4395)

Have a look what the booklet for
XYZ(8.4126, 17.3886, 31.4395)
contains.

XYZ(14.6574, 20.6352, 31.6442)	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(14.6574, 20.6352,
31.6442)**

Conversions

Conversions Part 1

Format	Color
Hex	008B95
RGB	0, 139, 149
RGB Percent	0%, 55%, 58%
CMY	0.9999, 0.4549, 0.4157
CMYK	1.00, 0.07, 0.00, 0.42
HSL	184°, 100%, 29%
HSV	184°, 100%, 58%
XYZ	14.6574, 20.6352, 31.6442
YIQ	98.5790, -86.0540, -26.3580

Conversions

Conversions Part 2

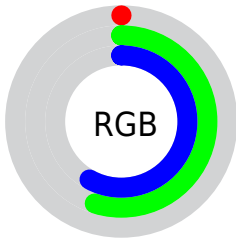
Format	Color
RYB	0, 72, 149
Decimal	35733
CIELab	52.55, -27.34, -14.29
CIELCh	53, 30.847, 207.600
Yxy	20.6352, 0.2190, 0.3083
Android (android.graphics.Color)	4278225813 (0xFF008B95)
YUV	98.5790, 24.8576, -86.4538
Hunter-Lab	45.4260, -21.8997, -9.5038

Details

The XYZ color **14.6574, 20.6352, 31.6442** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5034, 6.6071, 0.6168**, and the grayscale version is **11.7107, 12.3206, 13.4171**.

A 20% lighter version of the original color is **33.8740, 44.5264, 63.3090**, and **5.6943, 7.8613, 12.7725** is the 20% darker color. If you saturate the color by 10%, you get **14.6577, 20.6355, 31.6446**, and if you desaturate by 10%, it is **14.9990, 21.0276, 31.7023**.

Distribution



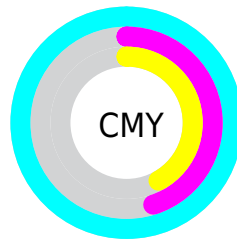
- Red (0%)
- Green (55%)
- Blue (58%)



- Red (0%)
- Yellow (28%)
- Blue (58%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (45%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6574, 20.6352, 31.6442 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 14.6574, 20.6352, 31.6442 by changing the saturation by 10% instead.

■ 14.6574, 20.6352,
31.6442

■ 14.6574, 20.6352,
31.6442

■ 214.7128,
255.3334, 323.9379

■ 8.6640, 12.8576,
20.8273

■ 33.8276, 44.4796,
63.3443

■ 4.5781, 7.3306,
12.8078

■ 47.7352, 61.3152,
85.0646

■ 2.0341, 3.6697,
7.1672

■ 65.0116, 81.9390,
111.2565

■ 0.6530, 1.4906,
3.4868

■ 86.0221, 106.7352,
142.3384

■ 0.0000, 0.2821,
1.3483

■ 111.1322,
136.0884, 178.7290

■ 0.0000, 0.0000,
0.1009

■ 140.7071,

■ 0.0000, 0.0000,

170.3829, 220.8467

0.0000

175.1122,
210.0031, 269.1102

■ 14.6574, 20.6352,
31.6442

■ 14.6574, 20.6352,
31.6442

■ 14.6577, 20.6355,
31.6446

■ 14.9990, 21.0276,
31.7023

■ 15.4802, 21.4936,
31.7669

■ 16.1680, 22.0681,
31.8416

■ 17.0882, 22.7643,
31.9274

■ 18.2626, 23.5936,
32.0256

■ 19.7107, 24.5660,
32.1370

■ 21.4501, 25.6905,
32.2624

■ 23.4967, 26.9755,
32.4025

■ 25.8656, 28.4285,
32.5581

Harmonies

Analogous

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



14.0936, 20.6352, 21.7395



14.6574, 20.6352, 31.6442



16.5023, 20.6352, 40.8362

Triad

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



14.6574, 20.6352, 31.6442



25.2704, 20.6352, 33.2748



19.8715, 20.6352, 9.0761

Complementary

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



14.6574, 20.6352, 31.6442



12.5034, 6.6071, 0.6168

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.



23.0923, 20.6352, 10.6471



14.6574, 20.6352, 31.6442



26.4131, 20.6352, 23.2131

Square

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



14.6574, 20.6352, 31.6442



22.5990, 20.6352, 41.9433



25.5762, 20.6352, 15.2634



16.9026, 20.6352, 10.2055

Rectangle

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



14.6574, 20.6352, 31.6442



18.3234, 20.6352, 44.4029



25.5762, 20.6352, 15.2634



20.9620, 20.6352, 9.2937

Sweetspot

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



14.6580, 20.6360, 31.6447



38.2047, 45.8747, 57.7623



10.8023, 21.5171, 3.8696



8.1932, 9.9910, 12.7815



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.



14.6580, 20.6360, 31.6447



26.1971, 36.8499, 56.6533



7.2912, 5.9023, 29.1891



5.9312, 6.4963, 7.4110



12.3449, 17.3846, 26.6359



0.1592, 0.2289, 0.3287

Inverse Universe

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



17.0551, 8.2542, 25.1213



30.5162, 14.7706, 44.8477



15.5994, 12.7991, 1.6488



6.0187, 5.9025, 7.2046



14.3582, 6.9483, 21.1651



0.1798, 0.0867, 0.2805

Previews

White Background



This preview shows how the XYZ color 14.6574, 20.6352, 31.6442 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 14.6574, 20.6352, 31.6442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

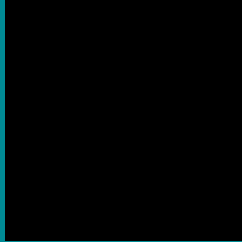
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6574, 20.6352, 31.6442

Background



This preview shows how black text looks on a background with the XYZ color 14.6574, 20.6352, 31.6442.

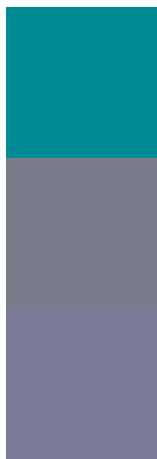


This preview shows how white text looks on a background with the XYZ color 14.6574, 20.6352,

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

14.6574, 20.6352, 31.6442

Protanopia

20.0362, 20.4903, 27.3251

Deuteranopia

20.8777, 20.4299, 32.9800



Tritanopia

14.8628, 20.7318, 32.0724

Trichromacy



Original Color

14.6574, 20.6352, 31.6442

Protanomaly

15.9501, 19.3034, 28.8719

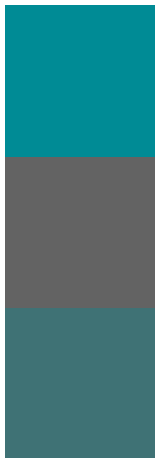
Deuteranomaly

16.5286, 19.3250, 32.5647

Tritanomaly

14.8127, 20.7060, 32.0701

Monochromacy



Original Color

14.6574, 20.6352, 31.6442

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.2781, 14.3757, 19.0100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6574, 20.6352, 31.6442 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, 139, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 149)  
}
```

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, 139, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 149) }
```

Border

The CSS property to change the border of an element to XYZ 14.6574, 20.6352, 31.6442 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, 139, 149) }
```


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

```
.border{ border-color:rgb(0, 139, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6574, 20.6352, 31.6442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 149) }
```

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

```
.background{ background-color: rgb(0, 139,  
149) }
```

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