

Converting Colors

XYZ(14.7878, 21.0358, 31.2564)

Have a look what the booklet for
XYZ(14.7878, 21.0358, 31.2564)
contains.

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Color

**XYZ(14.7234, 20.8943,
31.2740)**

Conversions

Conversions Part 1

Format	Color
Hex	008C94
RGB	0, 140, 148
RGB Percent	0%, 55%, 58%
CMY	0.9999, 0.4510, 0.4196
CMYK	1.00, 0.05, 0.00, 0.42
HSL	183°, 100%, 29%
HSV	183°, 100%, 58%
XYZ	14.7234, 20.8943, 31.2740
YIQ	99.0520, -86.0080, -27.1920

Conversions

Conversions Part 2

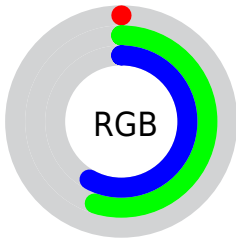
Format	Color
RYB	0, 72, 148
Decimal	35988
CIELab	52.83, -28.17, -13.28
CIELCh	53, 31.140, 205.243
Yxy	20.8943, 0.2201, 0.3124
Android (android.graphics.Color)	4278226068 (0xFF008C94)
YUV	99.0520, 24.1314, -86.8686
Hunter-Lab	45.7103, -22.4977, -8.5678

Details

The XYZ color **14.7234, 20.8943, 31.2740** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.3001, 6.4702, 0.6013**, and the grayscale version is **11.8315, 12.4476, 13.5555**.

A 20% lighter version of the original color is **33.9770, 44.9225, 62.7573**, and **5.7300, 8.0078, 12.5529** is the 20% darker color. If you saturate the color by 10%, you get **14.7236, 20.8945, 31.2744**, and if you desaturate by 10%, it is **15.0352, 21.2297, 31.3227**.

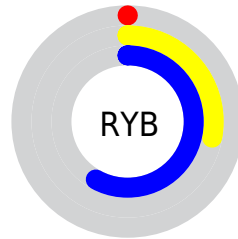
Distribution



Red (0%)

Green (55%)

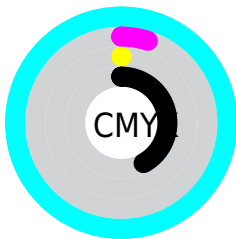
Blue (58%)



Red (0%)

Yellow (28%)

Blue (58%)

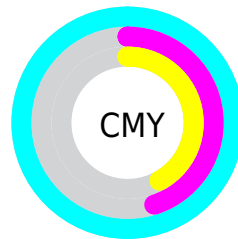


Cyan (100%)

Magenta (5%)

Yellow (0%)

Black (42%)



Cyan (100%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7234, 20.8943, 31.2740 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 14.7234, 20.8943, 31.2740 by changing the saturation by 10% instead.

■ 14.7234, 20.8943,
31.2740

■ 14.7234, 20.8943,
31.2740

■ 215.1076,
256.7162, 322.1889

■ 8.7105, 13.0468,
20.5474

■ 33.9429, 44.9116,
62.7558

■ 4.6085, 7.4608,
12.6055

■ 47.8802, 61.8501,
84.3481

■ 2.0518, 3.7519,
7.0300

■ 65.1897, 82.5877,
110.3993

■ 0.6628, 1.5358,
3.4021

■ 86.2367, 107.5088,
141.3281

■ 0.0000, 0.3137,
1.3034

■ 111.3867,
136.9978, 177.5529

■ 0.0000, 0.0000,
0.0646

■ 141.0049,

■ 0.0000, 0.0000,

171.4391, 219.4922

0.0000

175.4568,
211.2171, 267.5647

■ 14.7234, 20.8943,
31.2740

■ 14.7234, 20.8943,
31.2740

■ 14.7236, 20.8945,
31.2744

■ 15.0352, 21.2297,
31.3227

■ 15.4838, 21.6363,
31.3775

■ 16.1353, 22.1489,
31.4421

■ 17.0151, 22.7805,
31.5177

■ 18.1449, 23.5421,
31.6051

■ 19.5435, 24.4437,
31.7054

■ 21.2284, 25.4941,
31.8194

■ 23.2154, 26.7015,
31.9477

■ 25.5189, 28.0734,
32.0911

Harmonies

Analogous

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



14.2569, 20.8943, 21.2973



14.7234, 20.8943, 31.2740



16.5036, 20.8943, 40.8631

Triad

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



14.7234, 20.8943, 31.2740



25.4525, 20.8943, 34.5632



20.3825, 20.8943, 9.1636

Complementary

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



14.7234, 20.8943, 31.2740



12.3001, 6.4702, 0.6013

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.



23.6418, 20.8943, 10.9811



14.7234, 20.8943, 31.2740



26.7655, 20.8943, 24.2680

Square

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



14.7234, 20.8943, 31.2740



22.6472, 20.8943, 43.0971



26.0693, 20.8943, 15.9359



17.3103, 20.8943, 10.0924

Rectangle

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



14.7234, 20.8943, 31.2740



18.3088, 20.8943, 44.8337



26.0693, 20.8943, 15.9359



21.4951, 20.8943, 9.4551

Sweetspot

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



14.7241, 20.8951, 31.2745



37.2581, 44.8606, 56.1298



10.6310, 21.1965, 3.7442



8.2341, 10.0729, 12.7951



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.



14.7241, 20.8951, 31.2745



25.9375, 36.7845, 55.1677



7.3299, 6.1068, 28.8098



5.9376, 6.5091, 7.4132



12.5826, 17.8599, 26.7152



0.1606, 0.2318, 0.3292

Inverse Universe

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



16.9470, 8.1900, 25.4994



29.8802, 14.4414, 44.8813



15.1861, 12.2422, 1.5633



6.0219, 5.9038, 7.2216



14.4782, 6.9963, 21.7968



0.1805, 0.0870, 0.2843

Previews

White Background



This preview shows how the XYZ color 14.7234, 20.8943, 31.2740 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 14.7234, 20.8943, 31.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

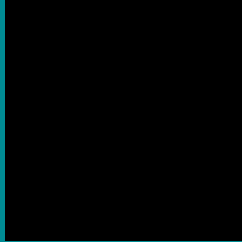
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7234, 20.8943, 31.2740

Background



This preview shows how black text looks on a background with the XYZ color 14.7234, 20.8943, 31.2740.

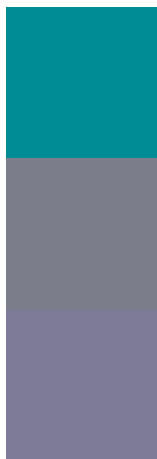


This preview shows how white text looks on a background with the XYZ color 14.7234, 20.8943,

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

14.7234, 20.8943, 31.2740

Protanopia

20.2332, 20.7873, 26.9907

Deuteranopia

21.2079, 20.7929, 32.6014



Tritanopia

15.1610, 21.0921, 32.5503

Trichromacy



Original Color

14.7234, 20.8943, 31.2740

Protanomaly

16.0896, 19.5805, 28.5226

Deuteranomaly

16.7444, 19.6404, 32.1866

Tritanomaly

15.0083, 21.0227, 32.1209

Monochromacy



Original Color

14.7234, 20.8943, 31.2740

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 14.7234, 20.8943, 31.2740 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, 140, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 148)  
}
```

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, 140, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 148) }
```

Border

The CSS property to change the border of an element to XYZ 14.7234, 20.8943, 31.2740 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, 140, 148) }
```


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

```
.border{ border-color:rgb(0, 140, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7234, 20.8943, 31.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 148) }
```

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

```
.background{ background-color: rgb(0, 140,  
148) }
```

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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