

Converting Colors

XYZ(12.0232, 19.2433, 29.6886)

Have a look what the booklet for
XYZ(12.0232, 19.2433, 29.6886)
contains.

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Color

**XYZ(14.3435, 20.5096,
29.9908)**

Conversions

Conversions Part 1

Format	Color
Hex	008B91
RGB	0, 139, 145
RGB Percent	0%, 55%, 57%
CMY	0.9999, 0.4549, 0.4314
CMYK	1.00, 0.04, 0.00, 0.43
HSL	182°, 100%, 28%
HSV	182°, 100%, 57%
XYZ	14.3435, 20.5096, 29.9908
YIQ	98.1230, -84.7700, -27.6020

Conversions

Conversions Part 2

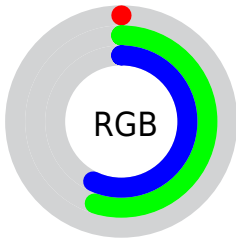
Format	Color
RYB	0, 71, 145
Decimal	35729
CIELab	52.41, -28.66, -12.18
CIELCh	52, 31.145, 203.027
Yxy	20.5096, 0.2212, 0.3163
Android (android.graphics.Color)	4278225809 (0xFF008B91)
YUV	98.1230, 23.1104, -86.0539
Hunter-Lab	45.2875, -22.7185, -7.5624

Details

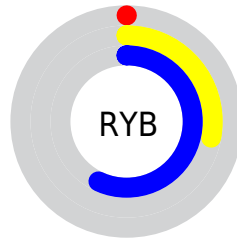
The XYZ color **14.3435, 20.5096, 29.9908** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.7427, 6.1507, 0.5690**, and the grayscale version is **11.6016, 12.2058, 13.2921**.

A 20% lighter version of the original color is **33.3092, 44.2897, 60.8260**, and **5.5553, 7.8057, 12.0403** is the 20% darker color. If you saturate the color by 10%, you get **14.3437, 20.5099, 29.9912**, and if you desaturate by 10%, it is **14.6203, 20.7820, 30.0292**.

Distribution



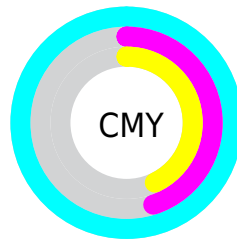
- Red (0%)
- Green (55%)
- Blue (57%)



- Red (0%)
- Yellow (28%)
- Blue (57%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (45%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3435, 20.5096, 29.9908 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 14.3435, 20.5096, 29.9908 by changing the saturation by 10% instead.

■ 14.3435, 20.5096,
29.9908

■ 14.3435, 20.5096,
29.9908

■ 212.8255,
254.6607, 316.0675

■ 8.4433, 12.7660,
19.5796

■ 33.2785, 44.2699,
60.7085

■ 4.4340, 7.2676,
11.9088

■ 47.0439, 61.0555,
81.8520

■ 1.9505, 3.6300,
6.5598

■ 64.1618, 81.6238,
107.4101

■ 0.6059, 1.4688,
3.1141

■ 84.9975, 106.3592,
137.8013

■ 0.0000, 0.2666,
1.1532

■ 109.9164,
135.6463, 173.4441

■ 0.0000, 0.0000,
0.0000

■ 139.2838,

169.8693, 214.7570

173.4650,
209.4126, 262.1587

■ 14.3435, 20.5096,
29.9908

■ 14.3435, 20.5096,
29.9908

■ 14.3437, 20.5099,
29.9912

■ 14.6203, 20.7820,
30.0292

■ 15.0260, 21.1212,
30.0733

■ 15.6251, 21.5608,
30.1265

■ 16.4416, 22.1132,
30.1901

■ 17.4961, 22.7890,
30.2650

■ 18.8066, 23.5975,
30.3520

■ 20.3897, 24.5472,
30.4518

■ 22.2601, 25.6457,
30.5653

■ 24.4320, 26.9004,
30.6930

Harmonies

Analogous

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



13.9827, 20.5096, 20.2517



14.3435, 20.5096, 29.9908



16.0096, 20.5096, 39.6564

Triad

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



14.3435, 20.5096, 29.9908



24.8570, 20.5096, 34.7509



20.2534, 20.5096, 8.9720

Complementary

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



14.3435, 20.5096, 29.9908



11.7427, 6.1507, 0.5690

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.



23.4500, 20.5096, 10.9699



14.3435, 20.5096, 29.9908



26.2906, 20.5096, 24.5489

Square

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



14.3435, 20.5096, 29.9908



22.0112, 20.5096, 42.8902



25.7493, 20.5096, 16.1017



17.1760, 20.5096, 9.6863

Rectangle

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



14.3435, 20.5096, 29.9908



17.7455, 20.5096, 43.8850



25.7493, 20.5096, 16.1017



21.3532, 20.5096, 9.3248

Sweetspot

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



14.3441, 20.5104, 29.9913



36.3169, 43.8426, 54.5219



10.1525, 20.2619, 3.5153



7.8324, 9.6061, 12.1136



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.3441, 20.5104, 29.9913



25.6547, 36.6649, 53.6984



7.1591, 6.1403, 27.5963



5.5414, 6.0786, 6.9100



12.3077, 17.6013, 25.7258



0.1215, 0.1760, 0.2472

Inverse Universe

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



16.3378, 7.8845, 25.0876



29.2413, 14.1122, 44.8407



14.3555, 11.3761, 1.4399



5.6168, 5.5072, 6.7458



14.0155, 6.7632, 21.5305



0.1359, 0.0654, 0.2161

Previews

White Background



This preview shows how the XYZ color 14.3435, 20.5096, 29.9908 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 14.3435, 20.5096, 29.9908 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 14.3435, 20.5096, 29.9908

Background



This preview shows how black text looks on a background with the XYZ color 14.3435, 20.5096, 29.9908.



This preview shows how white text looks on a background with the XYZ color 14.3435, 20.5096,

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

14.3435, 20.5096, 29.9908

Protanopia

19.8930, 20.4497, 25.8204

Deuteranopia

20.8418, 20.4490, 31.2823



Tritanopia

14.8430, 20.5076, 32.0302

Trichromacy



Original Color

14.3435, 20.5096, 29.9908

Protanomaly

15.7349, 19.2269, 27.3079

Deuteranomaly

16.3727, 19.2819, 30.8758

Tritanomaly

14.5718, 20.3862, 31.1839

Monochromacy



Original Color

14.3435, 20.5096, 29.9908

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.9862, 14.0722, 18.3568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3435, 20.5096, 29.9908 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 145) }
```

Border

The CSS property to change the border of an element to XYZ 14.3435, 20.5096, 29.9908 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, 145) }
```


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

```
.border{ border-color:rgb(0, 139, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 139, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 139, 145); box-shadow:4px 4px 4px 4px rgb(0, 139, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3435, 20.5096, 29.9908 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, 145) }
```

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

```
.background{ background-color: rgb(0, 139,  
145) }
```

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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