

Converting Colors

XYZ(14.9372, 19.9069, 35.7079)

Have a look what the booklet for
XYZ(14.9372, 19.9069, 35.7079)
contains.

XYZ(14.9220, 19.8311, 35.8422)	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>	30

Color

**XYZ(14.9220, 19.8311,
35.8422)**

Conversions

Conversions Part 1

Format	Color
Hex	00879F
RGB	0, 135, 159
RGB Percent	0%, 53%, 62%
CMY	0.9999, 0.4706, 0.3765
CMYK	1.00, 0.15, 0.00, 0.38
HSL	189°, 100%, 31%
HSV	189°, 100%, 62%
XYZ	14.9220, 19.8311, 35.8422
YIQ	97.3710, -88.1640, -21.1560

Conversions

Conversions Part 2

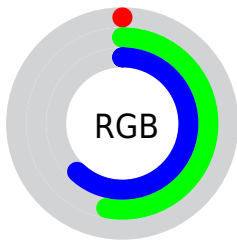
Format	Color
RYB	0, 73, 159
Decimal	34719
CIELab	51.65, -21.84, -21.46
CIELCh	52, 30.624, 224.496
Yxy	19.8311, 0.2114, 0.2809
Android (android.graphics.Color)	4278224799 (0xFF00879F)
YUV	97.3710, 30.3831, -85.3944
Hunter-Lab	44.5321, -18.1187, -16.5478

Details

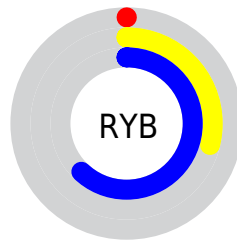
The XYZ color **14.9220, 19.8311, 35.8422** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6257, 8.0256, 0.7791**, and the grayscale version is **11.3991, 11.9927, 13.0601**.

A 20% lighter version of the original color is **34.4550, 43.3741, 70.1744**, and **5.9553, 7.5797, 15.3365** is the 20% darker color. If you saturate the color by 10%, you get **14.9216, 19.8303, 35.8425**, and if you desaturate by 10%, it is **15.4735, 20.6186, 35.9655**.

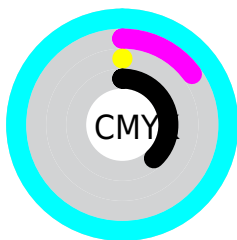
Distribution



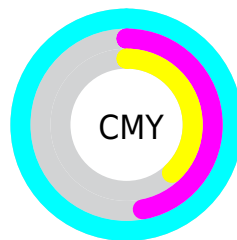
- Red (0%)
- Green (53%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9220, 19.8311, 35.8422 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 14.9220, 19.8311, 35.8422 by changing the saturation by 10% instead.

■ 14.9220, 19.8311,
35.8422

■ 14.9220, 19.8311,
35.8422

216.2914,
250.9993, 343.2868

■ 8.8506, 12.2723,
24.0236

■ 34.2891, 43.1338,
69.9547

■ 4.7002, 6.9294,
15.1388

■ 48.3155, 59.6466,
93.0858

■ 2.1054, 3.4180,
8.7691

■ 65.7242, 79.9128,
120.8247

■ 0.6921, 1.3537,
4.4962

■ 86.8808, 104.3168,
153.5901

■ 0.0000, 0.1822,
1.9013

■ 112.1504,
133.2431, 191.8005

■ 0.0000, 0.0000,
0.4936

■ 141.8985,

■ 0.0000, 0.0000,

167.0760, 235.8743

0.0000

176.4903,
206.1999, 286.2303

■ 14.9220, 19.8311,
35.8422

■ 14.9220, 19.8311,
35.8422

■ 14.9216, 19.8303,
35.8425

■ 15.4735, 20.6186,
35.9655

■ 16.1977, 21.5061,
36.0987

■ 17.1676, 22.5315,
36.2455

■ 18.4134, 23.7106,
36.4074

■ 19.9612, 25.0569,
36.5857

■ 21.8338, 26.5822,
36.7814

■ 24.0520, 28.2973,
36.9955

■ 26.6345, 30.2119,
37.2290

■ 29.5989, 32.3352,
37.4826

Harmonies

Analogous

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



13.6637, 19.8311, 26.1364



14.9220, 19.8311, 35.8422



17.3055, 19.8311, 42.4797

Triad

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



14.9220, 19.8311, 35.8422



25.1706, 19.8311, 26.4658



17.4009, 19.8311, 8.9567

Complementary

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



14.9220, 19.8311, 35.8422



14.6257, 8.0256, 0.7791

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.



20.4814, 19.8311, 8.9998



14.9220, 19.8311, 35.8422



25.2034, 19.8311, 17.6087

Square

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



14.9220, 19.8311, 35.8422



23.3253, 19.8311, 36.1394



23.4105, 19.8311, 11.7309



14.9853, 19.8311, 11.5907

Rectangle

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



14.9220, 19.8311, 35.8422



19.3183, 19.8311, 43.3755



23.4105, 19.8311, 11.7309



18.3871, 19.8311, 8.6874

Sweetspot

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



14.9227, 19.8318, 35.8427



42.8222, 50.4864, 66.2313



12.5623, 24.8622, 4.9942



9.2848, 11.0995, 14.8967



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.9227, 19.8318, 35.8427



26.6091, 35.2862, 64.1519



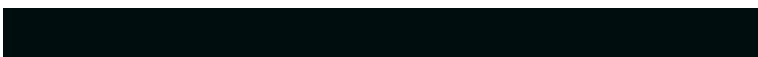
7.6567, 5.2999, 33.4207



6.7365, 7.3387, 8.4681



11.8096, 15.7107, 28.3173



0.2322, 0.3229, 0.5133

Inverse Universe

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



18.6719, 9.1210, 23.6986



33.3806, 16.3103, 42.1358



19.1847, 17.1436, 2.2988



6.8611, 6.7374, 8.1196



14.7591, 7.2082, 18.7804



0.2745, 0.1331, 0.3917

Previews

White Background



This preview shows how the XYZ color 14.9220, 19.8311, 35.8422 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 14.9220, 19.8311, 35.8422 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 14.9220, 19.8311, 35.8422

Background



This preview shows how black text looks on a background with the XYZ color 14.9220, 19.8311, 35.8422.



This preview shows how white text looks on a background with the XYZ color 14.9220, 19.8311,

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

14.9220, 19.8311, 35.8422

Protanopia

19.4646, 19.5577, 31.1829

Deuteranopia

20.1690, 19.7941, 36.9400

Trichromacy



Original Color

14.9220, 19.8311, 35.8422

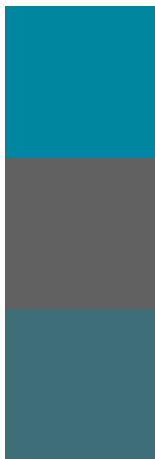
Protanomaly

16.0347, 18.6775, 32.8970

Deuteranomaly

16.5664, 18.8726, 36.4879

Monochromacy



Original Color

14.9220, 19.8311, 35.8422

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0612, 13.7491, 19.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9220, 19.8311, 35.8422 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, 135, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 159)  
}
```

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, 135, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 159) }
```

Border

The CSS property to change the border of an element to XYZ 14.9220, 19.8311, 35.8422 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, 135, 159) }
```

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

```
.border{ border-color:rgb(0, 135, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
159) }
```


Background

The CSS property to change the background color of an element to XYZ 14.9220, 19.8311, 35.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 159) }
```

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

```
.background{ background-color: rgb(0, 135,  
159) }
```

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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