

Converting Colors

XYZ(13.4284, 19.1982, 2.9979)

Have a look what the booklet for
XYZ(13.4284, 19.1982, 2.9979)
contains.

XYZ(13.3969, 19.1552, 2.9912)	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(13.3969, 19.1552,
2.9912)**

Conversions

Conversions Part 1

Format	Color
Hex	638400
RGB	99, 132, 0
RGB Percent	39%, 52%, 0%
CMY	0.6118, 0.4823, 1.0000
CMYK	0.25, 0.00, 1.00, 0.48
HSL	75°, 100%, 26%
HSV	75°, 100%, 52%
XYZ	13.3969, 19.1552, 2.9912
YIQ	107.0850, 22.7040, -48.0480

Conversions

Conversions Part 2

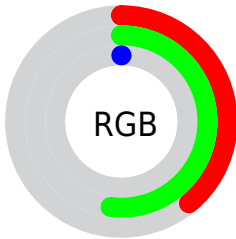
Format	Color
RYB	0, 132, 33
Decimal	6521856
CIELab	50.87, -28.01, 54.94
CIElCh	51, 61.673, 117.016
Yxy	19.1552, 0.3769, 0.5389
Android (android.graphics.Color)	4284711936 (0xFF638400)
YUV	107.0850, -52.7929, -7.0905
Hunter-Lab	43.7667, -21.9531, 26.5845

Details

The XYZ color **13.3969, 19.1552, 2.9912** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.7927, 1.9897, 21.9624**, and the grayscale version is **14.1370, 14.8732, 16.1969**.

A 20% lighter version of the original color is **31.6588, 41.9613, 11.5850**, and **4.1896, 6.6389, 1.0606** is the 20% darker color. If you saturate the color by 10%, you get **13.3971, 19.1559, 2.9914**, and if you desaturate by 10%, it is **13.8393, 19.3754, 3.3983**.

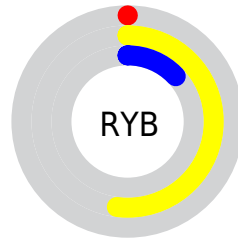
Distribution



Red (39%)

Green (52%)

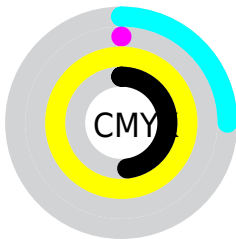
Blue (0%)



Red (0%)

Yellow (52%)

Blue (13%)

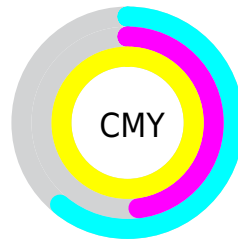


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (61%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3969, 19.1552, 2.9912 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 13.3969, 19.1552, 2.9912 by changing the saturation by 10% instead.

■ 13.3969, 19.1552,
2.9912

■ 13.3969, 19.1552,
2.9912

207.0325,
247.3042, 136.2485

■ 7.7813, 11.7825,
1.0901

■ 31.6103, 41.9962,
11.6067

■ 4.0059, 6.5957,
0.0000

■ 44.9388, 58.2332,
19.1583

■ 1.7055, 3.2106,
0.0000

■ 61.5690, 78.1939,
29.4304

■ 0.4597, 1.2426,
0.0000

■ 81.8662, 102.2624,
42.8416


■ 0.0000, 0.0961,
0.0000


■ 106.1958,
130.8234, 59.8105


■ 0.0000, 0.0000,
0.0000


■ 134.9232,


164.2610, 80.7556


 168.4136,
202.9599, 106.0954


 13.3969, 19.1552,
2.9912


 13.3969, 19.1552,
2.9912


 13.3971, 19.1559,
2.9914

 13.8393, 19.3754,
3.3983

 14.3393, 19.6196,
4.0326

 14.9227, 19.8989,
5.0272

 15.5978, 20.2167,
6.4253

 16.3719, 20.5759,
8.2644

■ 17.2514, 20.9790,
10.5774

■ 18.2422, 21.4284,
13.3941

■ 19.3496, 21.9264,
16.7421

■ 20.5786, 22.4748,
20.6467

Harmonies

Analogous

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



18.8216, 19.1552, 2.1077



13.3969, 19.1552, 2.9912



10.0573, 19.1552, 7.4265

Triad

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



13.3969, 19.1552, 2.9912



12.5564, 19.1552, 63.4159



32.5493, 19.1552, 22.6479

Complementary

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



13.3969, 19.1552, 2.9912



4.7927, 1.9897, 21.9624

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.



29.8748, 19.1552, 44.8999



13.3969, 19.1552, 2.9912



17.6049, 19.1552, 75.3184

Square

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



13.3969, 19.1552, 2.9912



9.6533, 19.1552, 40.0546



24.0480, 19.1552, 67.1430



30.7291, 19.1552, 9.0479

Rectangle

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



13.3969, 19.1552, 2.9912



9.0276, 19.1552, 14.2044



24.0480, 19.1552, 67.1430



32.1343, 19.1552, 29.3167

Sweetspot

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



13.3973, 19.1561, 2.9916



32.0076, 37.6880, 23.2282



10.0603, 5.9939, 0.6269



7.3011, 8.7063, 4.9717



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.3973, 19.1561, 2.9916



23.4565, 33.6686, 5.2624



8.8792, 16.8268, 2.7802



4.9291, 5.3660, 5.0053



12.9761, 18.5494, 2.8965



0.0516, 0.0677, 0.0103

Inverse Universe

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



4.7927, 1.9897, 21.9624



8.3209, 3.4421, 38.6790



9.3112, 4.3191, 22.1738



4.5356, 4.5967, 5.8489



4.6445, 1.9285, 21.2641



0.0220, 0.0097, 0.0739

Previews

White Background



This preview shows how the XYZ color 13.3969, 19.1552, 2.9912 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 13.3969, 19.1552, 2.9912 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 13.3969, 19.1552, 2.9912

Background



This preview shows how black text looks on a background with the XYZ color 13.3969, 19.1552, 2.9912.



This preview shows how white text looks on a background with the XYZ color 13.3969, 19.1552,

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

13.3969, 19.1552, 2.9912

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.2445, 19.0028, 3.5178



Tritanopia

17.8034, 19.2114, 24.5996

Trichromacy



Original Color

13.3969, 19.1552, 2.9912

Protanomaly

15.5020, 18.8782, 2.8268

Deuteranomaly

16.5965, 18.6958, 3.1859

Tritanomaly

15.1245, 18.6876, 11.1974

Monochromacy



Original Color

13.3969, 19.1552, 2.9912

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9977, 15.8512, 7.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3969, 19.1552, 2.9912 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(99, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 132, 0)  
}
```

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(99, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3969, 19.1552, 2.9912 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(99, 132, 0) }
```


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

```
.border{ border-color:rgb(99, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 132, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3969, 19.1552, 2.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 132, 0) }
```

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

```
.background{ background-color: rgb(99, 132,  
0) }
```

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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