

Converting Colors

XYZ(19.9050, 31.3943, 14.3612)

Have a look what the booklet for
XYZ(19.9050, 31.3943, 14.3612)
contains.

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Color

**XYZ(19.9242, 31.4020,
14.4623)**

Conversions

Conversions Part 1

Format	Color
Hex	55AA59
RGB	85, 170, 89
RGB Percent	33%, 67%, 35%
CMY	0.6667, 0.3333, 0.6510
CMYK	0.50, 0.00, 0.48, 0.33
HSL	123°, 33%, 50%
HSV	123°, 50%, 67%
XYZ	19.9242, 31.4020, 14.4623
YIQ	135.3510, -24.6590, -43.2110

Conversions

Conversions Part 2

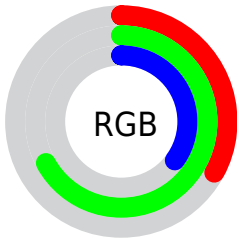
Format	Color
RYB	85, 166, 170
Decimal	5614169
CIELab	62.85, -42.83, 33.90
CIELCh	63, 54.622, 141.643
Yxy	31.4020, 0.3029, 0.4773
Android (android.graphics.Color)	4283804249 (0xFF55AA59)
YUV	135.3510, -22.8510, -44.1578
Hunter-Lab	56.0375, -34.5997, 23.9245

Details

The XYZ color **19.9242, 31.4020, 14.4623** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **26.7099, 17.7967, 38.1045**, and the grayscale version is **23.2491, 24.4599, 26.6368**.

A 20% lighter version of the original color is **42.7452, 61.8616, 34.4985**, and **7.1382, 13.0769, 4.2457** is the 20% darker color. If you saturate the color by 10%, you get **17.9553, 30.4581, 11.2017**, and if you desaturate by 10%, it is **22.4152, 32.5996, 18.5301**.

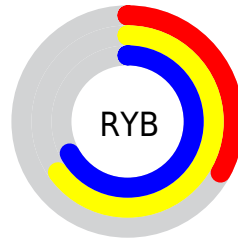
Distribution



Red (33%)

Green (67%)

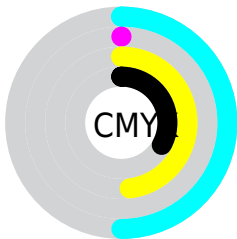
Blue (35%)



Red (33%)

Yellow (65%)

Blue (67%)

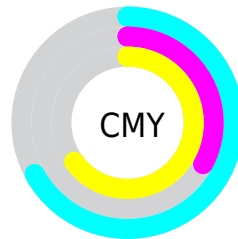


Cyan (50%)

Magenta (0%)

Yellow (48%)

Black (33%)



Cyan (67%)

Magenta (33%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9242, 31.4020, 14.4623 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 19.9242, 31.4020, 14.4623 by changing the saturation by 10% instead.

■ 19.9242, 31.4020,
14.4623

■ 19.9242, 31.4020,
14.4623

244.3459,
308.3861, 231.6157

■ 12.4479, 20.9052,
8.3005

■ 42.7950, 61.8724,
34.6359

■ 7.1238, 13.0547,
4.1973

■ 58.9202, 82.6148,
49.4849

■ 3.5867, 7.4662,
1.7342

■ 78.6590, 107.5411,
68.0666

■ 1.4711, 3.7553,
0.3840

■ 102.3769,
137.0358, 90.7996

■ 0.3060, 1.5377,
0.0000

130.4392,
171.4833, 118.1025

■ 0.0000, 0.3150,
0.0000

163.2112,

■ 0.0000, 0.0000,

211.2679, 150.3938

0.0000

201.0583,
256.7740, 188.0920

■ 19.9242, 31.4020,
14.4623

■ 19.9242, 31.4020,
14.4623

■ 17.9553, 30.4581,
11.2017

■ 22.4152, 32.5996,
18.5301

■ 16.4692, 29.7459,
8.6926

■ 25.4592, 34.0631,
23.4518

■ 15.4249, 29.2467,
6.8758

■ 29.0876, 35.8085,
29.2727

■ 14.7735, 28.9366,
5.6819

■ 33.3289, 37.8497,
36.0347

■ 14.4192, 28.7682,
5.0227

■ 38.2093, 40.1993,
43.7768

■ 43.7539, 42.8696,
52.5358

■ 49.9864, 45.8718,
62.3467

■ 56.9290, 49.2169,
73.2430

■ 64.6033, 52.9152,
85.2562

Harmonies

Analogous

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



24.8473, 31.4020, 8.4085



19.9242, 31.4020, 14.4623



17.7524, 31.4020, 28.5443

Triad

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



19.9242, 31.4020, 14.4623



27.8035, 31.4020, 93.3280



45.3211, 31.4020, 21.1318

Complementary

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



19.9242, 31.4020, 14.4623



26.7099, 17.7967, 38.1045

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.



46.4692, 31.4020, 40.5383



19.9242, 31.4020, 14.4623



35.4753, 31.4020, 88.5901

Square

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



19.9242, 31.4020, 14.4623



21.7772, 31.4020, 77.7636



42.6137, 31.4020, 66.6753



39.6976, 31.4020, 10.9858

Rectangle

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



19.9242, 31.4020, 14.4623



17.8540, 31.4020, 43.2020



42.6137, 31.4020, 66.6753



46.2769, 31.4020, 26.5299

Sweetspot

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



19.9250, 31.4033, 14.4630



56.2713, 66.6509, 58.6941



31.9873, 37.6406, 14.1739



12.2041, 14.6976, 12.5391



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.9250, 31.4033, 14.4630



32.2422, 55.1003, 19.7641



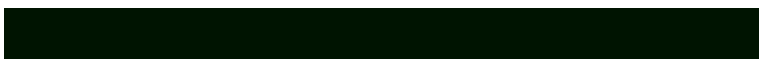
22.1735, 32.3027, 26.3037



7.4505, 8.4133, 8.0926



10.6124, 21.1637, 3.7256



0.2625, 0.5166, 0.1135

Inverse Universe

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



26.7099, 17.7967, 38.1045



45.9699, 27.5438, 67.5774



23.5073, 16.5157, 21.2401



7.8264, 7.6604, 9.4032



16.9977, 8.2078, 25.8632



0.4180, 0.2015, 0.6528

Previews

White Background



This preview shows how the XYZ color 19.9242, 31.4020, 14.4623 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.9242, 31.4020, 14.4623 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 ✓ Pass

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

XYZ 19.9242, 31.4020, 14.4623

Background



This preview shows how black text looks on a background with the XYZ color 19.9242, 31.4020, 14.4623.



This preview shows how white text looks on a background with the XYZ color 19.9242, 31.4020,

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

19.9242, 31.4020, 14.4623

Protanopia

28.3155, 30.8494, 12.4448

Deuteranopia

31.3302, 30.7178, 15.1043



Tritanopia

25.9966, 31.4499, 44.2354

Trichromacy



Original Color

19.9242, 31.4020, 14.4623



Protanomaly

24.1831, 30.4280, 13.1929



Deuteranomaly

25.3996, 29.7758, 14.7645



Tritanomaly

23.0877, 31.0453, 30.3667

Monochromacy



Original Color

19.9242, 31.4020, 14.4623



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.1960, 26.2697, 21.0930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9242, 31.4020, 14.4623 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(85, 170, 89)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 89)  
}
```

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(85, 170, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.9242, 31.4020, 14.4623 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(85, 170, 89) }
```


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

```
.border{ border-color:rgb(85, 170, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 89);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9242, 31.4020, 14.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 89) }
```

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

```
.background{ background-color: rgb(85, 170,  
89) }
```

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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