

Converting Colors

XYZ(21.9539, 31.1210, 24.7853)

Have a look what the booklet for
XYZ(21.9539, 31.1210, 24.7853)
contains.

XYZ(21.9812, 31.1319, 24.9292)	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(21.9812, 31.1319,
24.9292)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA67F
RGB	93, 166, 127
RGB Percent	36%, 65%, 50%
CMY	0.6353, 0.3490, 0.5020
CMYK	0.44, 0.00, 0.23, 0.35
HSL	148°, 29%, 51%
HSV	148°, 44%, 65%
XYZ	21.9812, 31.1319, 24.9292
YIQ	139.7270, -30.9890, -27.6050

Conversions

Conversions Part 2

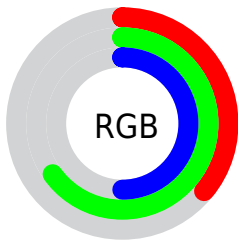
Format	Color
RYB	93, 143, 166
Decimal	6137471
CIELab	62.62, -31.97, 13.20
CIELCh	63, 34.584, 157.567
Yxy	31.1319, 0.2817, 0.3989
Android (android.graphics.Color)	4284327551 (0xFF5DA67F)
YUV	139.7270, -6.2744, -40.9796
Hunter-Lab	55.7960, -27.3217, 12.5669

Details

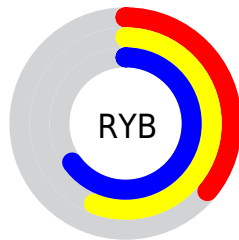
The XYZ color **21.9812, 31.1319, 24.9292** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.8062, 17.6024, 23.9739**, and the grayscale version is **24.8542, 26.1485, 28.4758**.

A 20% lighter version of the original color is **46.3921, 61.7409, 52.6521**, and **8.1170, 12.7916, 9.2490** is the 20% darker color. If you saturate the color by 10%, you get **19.9272, 30.1377, 21.9478**, and if you desaturate by 10%, it is **24.4525, 32.3370, 28.1972**.

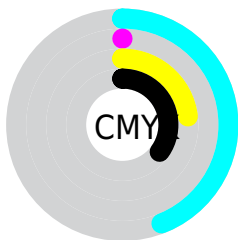
Distribution



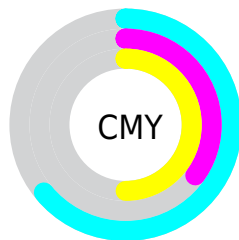
- Red (36%)
- Green (65%)
- Blue (50%)



- Red (36%)
- Yellow (56%)
- Blue (65%)



- Cyan (44%)
- Magenta (0%)
- Yellow (23%)
- Black (35%)



- Cyan (64%)
- Magenta (35%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9812, 31.1319, 24.9292 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 21.9812, 31.1319, 24.9292 by changing the saturation by 10% instead.

■ 21.9812, 31.1319,
24.9292

■ 21.9812, 31.1319,
24.9292

255.0823,
307.1455, 290.9215

■ 13.9596, 20.6993,
15.8058

■ 46.1940, 61.4477,
52.5050

■ 8.1741, 12.9044,
9.2340

■ 63.1159, 82.0996,
71.7945

■ 4.2593, 7.3627,
4.7952

■ 83.7354, 106.9269,
95.3098

■ 1.8498, 3.6900,
2.0710

■ 108.4176,
136.3137, 123.4694

■ 0.5474, 1.5017,
0.5984

137.5281,
170.6446, 156.6918

■ 0.0000, 0.2899,
0.0000

171.4321,

■ 0.0000, 0.0000,

210.3040, 195.3956

0.0000

210.4951,
255.6761, 239.9993

■ 21.9812, 31.1319,
24.9292

■ 21.9812, 31.1319,
24.9292

■ 19.9272, 30.1377,
21.9478

■ 24.4525, 32.3370,
28.1972

■ 18.2628, 29.3379,
19.2428

■ 27.3616, 33.7609,
31.7572

■ 16.9609, 28.7193,
16.8065


■ 30.7305, 35.4157,
35.6172


■ 15.9894, 28.2656,
14.6300


■ 34.5790, 37.3114,
39.7845

■ 15.3101, 27.9574,
12.7038


■ 38.9258, 39.4576,
44.2656

 14.9875, 27.8139,
11.6582

 43.7883, 41.8631,
49.0673

 49.1834, 44.5364,
54.1959

 55.1271, 47.4857,
59.6575

 61.6344, 50.7188,
65.4583

Harmonies

Analogous

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



24.4031, 31.1319, 17.2106



21.9812, 31.1319, 24.9292



21.4873, 31.1319, 37.4301

Triad

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



21.9812, 31.1319, 24.9292



30.7990, 31.1319, 66.6700



37.3673, 31.1319, 20.4118

Complementary

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



21.9812, 31.1319, 24.9292



23.8062, 17.6024, 23.9739

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.



39.5096, 31.1319, 30.5942



21.9812, 31.1319, 24.9292



35.4641, 31.1319, 58.9020

Square

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



21.9812, 31.1319, 24.9292



26.2657, 31.1319, 63.9796



38.7785, 31.1319, 44.7934



33.1834, 31.1319, 15.1264

Rectangle

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



21.9812, 31.1319, 24.9292



22.2637, 31.1319, 47.3780



38.7785, 31.1319, 44.7934



38.3692, 31.1319, 23.2521

Sweetspot

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



21.9820, 31.1332, 24.9299



56.2535, 64.5110, 65.1755



25.3096, 33.0629, 15.4042



12.2762, 14.2827, 14.2368



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.9820, 31.1332, 24.9299



36.1615, 54.6935, 39.8270



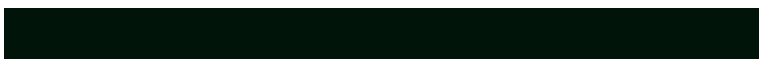
24.7042, 32.2220, 39.2646



7.5767, 8.4637, 8.7569



11.6448, 21.5767, 9.1622



0.3093, 0.5354, 0.3599

Inverse Universe

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



23.8062, 17.6024, 23.9739



39.9129, 26.8443, 37.8443



21.7825, 16.7929, 13.3176



7.6923, 7.6068, 8.6970



13.6066, 6.8513, 8.0057



0.3565, 0.1769, 0.3289

Previews

White Background



This preview shows how the XYZ color 21.9812, 31.1319, 24.9292 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 21.9812, 31.1319, 24.9292 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 21.9812, 31.1319, 24.9292

Background



This preview shows how black text looks on a background with the XYZ color 21.9812, 31.1319, 24.9292.



This preview shows how white text looks on a background with the XYZ color 21.9812, 31.1319,

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

21.9812, 31.1319, 24.9292

Protanopia

28.7937, 30.6423, 22.1663

Deuteranopia

31.3035, 30.6874, 26.1032



Tritanopia

25.8226, 31.1018, 44.1774

Trichromacy



Original Color

21.9812, 31.1319, 24.9292

Protanomaly

25.6170, 30.4412, 23.2645

Deuteranomaly

26.7482, 30.2338, 25.5450

Tritanomaly

24.1766, 30.9503, 36.1523

Monochromacy



Original Color

21.9812, 31.1319, 24.9292

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.2890, 27.4551, 26.9936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9812, 31.1319, 24.9292 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(93, 166, 127)` looks like.

```
.text, #text, p{  
    color:rgb(93, 166, 127)  
}
```

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(93, 166, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 166, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.9812, 31.1319, 24.9292 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(93, 166, 127) }
```


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

```
.border{ border-color:rgb(93, 166, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 166, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 166, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 166, 127);  
box-shadow:4px 4px 4px 4px rgb(93, 166,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9812, 31.1319, 24.9292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 166, 127) }
```

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

```
.background{ background-color: rgb(93, 166,  
127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor