

Converting Colors

XYZ(21.8678, 31.4022, 22.3614)

Have a look what the booklet for
XYZ(21.8678, 31.4022, 22.3614)
contains.

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Color

**XYZ(21.8678, 31.4022,
22.3614)**

Conversions

Conversions Part 1

Format	Color
Hex	5FA777
RGB	95, 167, 119
RGB Percent	37%, 65%, 47%
CMY	0.6274, 0.3451, 0.5333
CMYK	0.43, 0.00, 0.29, 0.35
HSL	140°, 29%, 51%
HSV	140°, 43%, 65%
XYZ	21.8678, 31.4022, 22.3614
YIQ	140.0000, -27.5040, -30.1920

Conversions

Conversions Part 2

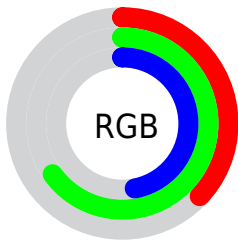
Format	Color
RYB	95, 149, 167
Decimal	6268791
CIELab	62.85, -33.47, 17.94
CIElCh	63, 37.979, 151.808
Yxy	31.4022, 0.2891, 0.4152
Android (android.graphics.Color)	4284458871 (0xFF5FA777)
YUV	140.0000, -10.3530, -39.4650
Hunter-Lab	56.0377, -28.4092, 15.5671

Details

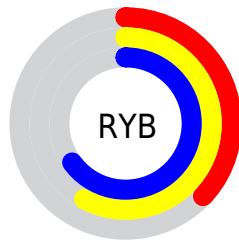
The XYZ color **21.8678, 31.4022, 22.3614** is a dark color, and the websafe version is hex **669966**, and the color name is **forest green (crayola)**. A complement of this color would be **24.9875, 18.3838, 28.2193**, and the grayscale version is **24.9745, 26.2751, 28.6136**.

A 20% lighter version of the original color is **46.1328, 62.1052, 48.0841**, and **8.0776, 12.9691, 7.8719** is the 20% darker color. If you saturate the color by 10%, you get **19.6857, 30.3509, 18.9713**, and if you desaturate by 10%, it is **24.5018, 32.6791, 26.1830**.

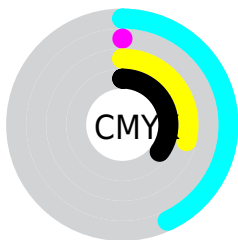
Distribution



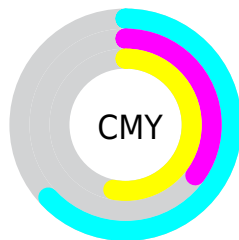
- Red (37%)
- Green (65%)
- Blue (47%)



- Red (37%)
- Yellow (58%)
- Blue (65%)



- Cyan (43%)
- Magenta (0%)
- Yellow (29%)
- Black (35%)



- Cyan (63%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8678, 31.4022, 22.3614 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 21.8678, 31.4022, 22.3614 by changing the saturation by 10% instead.

■ 21.8678, 31.4022,
22.3614

■ 21.8678, 31.4022,
22.3614

254.5005,
308.3870, 277.4426

■ 13.8759, 20.9053,
13.9218

■ 46.0079, 61.8727,
48.2524

■ 8.1155, 13.0548,
7.9282

■ 62.8867, 82.6152,
66.5410

■ 4.2214, 7.4663,
3.9619

■ 83.4586, 107.5416,
88.9496

■ 1.8281, 3.7554,
1.6045

■ 108.0888,
137.0364, 115.8968

■ 0.5345, 1.5377,
0.2940

137.1428,
171.4839, 147.8012

■ 0.0000, 0.3150,
0.0000

170.9858,

■ 0.0000, 0.0000,

211.2686, 185.0812

0.0000

209.9832,
256.7748, 228.1556

■ 21.8678, 31.4022,
22.3614

■ 21.8678, 31.4022,
22.3614

■ 19.6857, 30.3509,
18.9713

■ 24.5018, 32.6791,
26.1830

■ 17.9262, 29.5080,
15.9952

■ 27.6097, 34.1901,
30.4485

■ 16.5608, 28.8597,
13.4176


■ 31.2149, 35.9478,
35.1723


■ 15.5555, 28.3890,
11.2211


■ 35.3386, 37.9629,
40.3678


■ 14.8705, 28.0758,
9.3870


■ 40.0005, 40.2454,
46.0475

 14.5250, 27.9208,
8.3224

 45.2196, 42.8046,
52.2238

 51.0138, 45.6497,
58.9082

 57.4001, 48.7891,
66.1122

 64.3949, 52.2311,
73.8468

Harmonies

Analogous

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



24.8774, 31.4022, 15.1626



21.8678, 31.4022, 22.3614



20.9211, 31.4022, 35.1036

Triad

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



21.8678, 31.4022, 22.3614



30.1636, 31.4022, 71.5771



39.1835, 31.4022, 21.2023

Complementary

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



21.8678, 31.4022, 22.3614



24.9875, 18.3838, 28.2193

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.



41.0068, 31.4022, 33.2956



21.8678, 31.4022, 22.3614



35.4376, 31.4022, 64.7847

Square

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



21.8678, 31.4022, 22.3614



25.3648, 31.4022, 66.1788



39.5632, 31.4022, 49.5957



34.8281, 31.4022, 14.6430

Rectangle

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



21.8678, 31.4022, 22.3614



21.4873, 31.4022, 45.9807



39.5632, 31.4022, 49.5957



40.1342, 31.4022, 24.6124

Sweetspot

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



21.8686, 31.4035, 22.3621



55.8178, 64.3367, 62.8811



27.4219, 34.4124, 16.0238



12.1649, 14.2382, 13.6509



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.



21.8686, 31.4035, 22.3621



35.3152, 54.3836, 34.0733



24.3551, 32.3981, 35.4556



7.5360, 8.4475, 8.5430



11.1349, 21.3727, 6.4774



0.2945, 0.5294, 0.2819

Inverse Universe

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



24.9875, 18.3838, 28.2193



41.6504, 27.8841, 45.9308



22.7469, 17.4875, 16.4203



7.7340, 7.6235, 8.9164



14.4278, 7.1798, 12.3301



0.3733, 0.1836, 0.4171

Previews

White Background



This preview shows how the XYZ color 21.8678, 31.4022, 22.3614 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 21.8678, 31.4022, 22.3614 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 21.8678, 31.4022, 22.3614

Background



This preview shows how black text looks on a background with the XYZ color 21.8678, 31.4022, 22.3614.



This preview shows how white text looks on a background with the XYZ color 21.8678, 31.4022,

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

21.8678, 31.4022, 22.3614

Protanopia

28.8915, 30.9845, 19.7871

Deuteranopia

31.4427, 30.8200, 23.3604



Tritanopia

26.1770, 31.2845, 44.1940

Trichromacy



Original Color

21.8678, 31.4022, 22.3614

Protanomaly

25.6327, 30.7550, 20.8050

Deuteranomaly

26.7581, 30.2986, 22.8503

Tritanomaly

24.4405, 31.3779, 34.9054

Monochromacy



Original Color

21.8678, 31.4022, 22.3614

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.3834, 27.7637, 25.9563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8678, 31.4022, 22.3614 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(95, 167, 119)` looks like.

```
.text, #text, p{  
    color:rgb(95, 167, 119)  
}
```

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(95, 167, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 167, 119) }
```

Border

The CSS property to change the border of an element to XYZ 21.8678, 31.4022, 22.3614 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(95, 167, 119) }
```


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

```
.border{ border-color:rgb(95, 167, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 167, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 167, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 167, 119);  
box-shadow:4px 4px 4px 4px rgb(95, 167,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8678, 31.4022, 22.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 167, 119) }
```

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

```
.background{ background-color: rgb(95, 167,  
119) }
```

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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