

Converting Colors

XYZ(21.9370, 31.5819, 24.7362)

Have a look what the booklet for
XYZ(21.9370, 31.5819, 24.7362)
contains.

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Color

**XYZ(21.9850, 31.6853,
24.6958)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA87E
RGB	90, 168, 126
RGB Percent	35%, 66%, 49%
CMY	0.6471, 0.3412, 0.5059
CMYK	0.46, 0.00, 0.25, 0.34
HSL	148°, 31%, 51%
HSV	148°, 46%, 66%
XYZ	21.9850, 31.6853, 24.6958
YIQ	139.8900, -33.0060, -29.5980

Conversions

Conversions Part 2

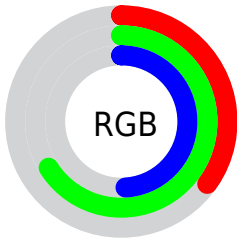
Format	Color
RYB	90, 143, 168
Decimal	5941374
CIELab	63.08, -33.95, 14.38
CIELCh	63, 36.865, 157.043
Yxy	31.6853, 0.2805, 0.4043
Android (android.graphics.Color)	4284131454 (0xFF5AA87E)
YUV	139.8900, -6.8478, -43.7535
Hunter-Lab	56.2897, -28.7904, 13.3907

Details

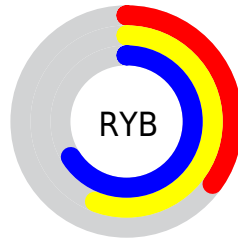
The XYZ color **21.9850, 31.6853, 24.6958** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.9706, 17.3039, 23.9077**, and the grayscale version is **24.9202, 26.2180, 28.5514**.

A 20% lighter version of the original color is **46.2939, 62.4953, 52.2707**, and **8.1634, 13.1546, 9.1300** is the 20% darker color. If you saturate the color by 10%, you get **19.9744, 30.7141, 21.6914**, and if you desaturate by 10%, it is **24.4194, 32.8706, 27.9970**.

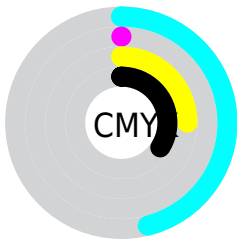
Distribution



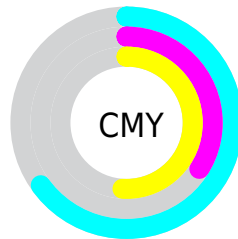
- Red (35%)
- Green (66%)
- Blue (49%)



- Red (35%)
- Yellow (56%)
- Blue (66%)



- Cyan (46%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)



- Cyan (65%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9850, 31.6853, 24.6958 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 21.9850, 31.6853, 24.6958 by changing the saturation by 10% instead.

■ 21.9850, 31.6853,
24.6958

■ 21.9850, 31.6853,
24.6958

255.1018,
309.6832, 289.7186

■ 13.9624, 21.1212,
15.6336

■ 46.2002, 62.3174,
52.1213

■ 8.1761, 13.2127,
9.1137

■ 63.1236, 83.1543,
71.3216

■ 4.2606, 7.5751,
4.7176

■ 83.7446, 108.1841,
94.7385

■ 1.8506, 3.8243,
2.0267

■ 108.4286,
137.7915, 122.7903

■ 0.5479, 1.5758,
0.5716

137.5410,
172.3607, 155.8957

■ 0.0000, 0.3412,
0.0000

171.4471,

■ 0.0000, 0.0000,

212.2761, 194.4732

0.0000

210.5122,
257.9221, 238.9413

■ 21.9850, 31.6853,
24.6958

■ 21.9850, 31.6853,
24.6958

■ 19.9744, 30.7141,
21.6914

■ 24.4194, 32.8706,
27.9970

■ 18.3585, 29.9396,
18.9731

■ 27.2993, 34.2785,
31.6011

■ 17.1084, 29.3478,
16.5328


■ 30.6479, 35.9215,
35.5164


■ 16.1896, 28.9213,
14.3608


■ 34.4858, 37.8103,
39.7505

■ 15.5549, 28.6358,
12.4466


■ 38.8326, 39.9547,
44.3106

 15.3618, 28.5499,
11.8222

 43.7066, 42.3641,
49.2036

 49.1254, 45.0474,
54.4364

 55.1054, 48.0129,
60.0155

 61.6628, 51.2689,
65.9472

Harmonies

Analogous

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



24.6049, 31.6853, 16.6375



21.9850, 31.6853, 24.6958



21.4222, 31.6853, 38.0461

Triad

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



21.9850, 31.6853, 24.6958



31.3300, 31.6853, 70.3911



38.6076, 31.6853, 20.2389

Complementary

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



21.9850, 31.6853, 24.6958



23.9706, 17.3039, 23.9077

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.



40.8913, 31.6853, 31.1812



21.9850, 31.6853, 24.6958



36.3940, 31.6853, 62.0029

Square

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



21.9850, 31.6853, 24.6958



26.4633, 31.6853, 67.2144



40.0388, 31.6853, 46.6060



34.0900, 31.6853, 14.6153

Rectangle

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



21.9850, 31.6853, 24.6958



22.2246, 31.6853, 48.8510



40.0388, 31.6853, 46.6060



39.6838, 31.6853, 23.2768

Sweetspot

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



21.9858, 31.6866, 24.6965



57.0484, 65.8879, 66.0658



25.5063, 33.7233, 14.8382



12.1351, 14.2137, 14.0624



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.



21.9858, 31.6866, 24.6965



36.0496, 55.6388, 39.0505



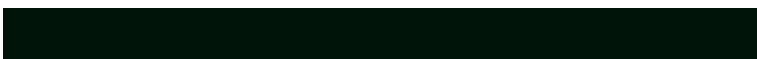
24.9300, 32.8643, 40.2003



7.5754, 8.4632, 8.7501



11.6256, 21.5690, 9.0610



0.3089, 0.5352, 0.3574

Inverse Universe

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



23.9706, 17.3039, 23.9077



40.1086, 26.1932, 37.4144



21.8214, 16.4442, 12.5906



7.6936, 7.6073, 8.7040



13.6294, 6.8605, 8.1258



0.3570, 0.1771, 0.3315

Previews

White Background



This preview shows how the XYZ color 21.9850, 31.6853, 24.6958 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 21.9850, 31.6853, 24.6958 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

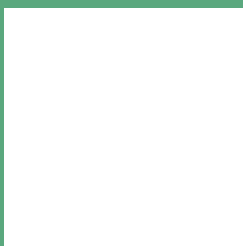
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9850, 31.6853, 24.6958

Background



This preview shows how black text looks on a background with the XYZ color 21.9850, 31.6853, 24.6958.



This preview shows how white text looks on a background with the XYZ color 21.9850, 31.6853,

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

21.9850, 31.6853, 24.6958

Protanopia

29.3985, 31.4459, 21.6597

Deuteranopia

31.8312, 31.1951, 25.8163



Tritanopia

26.1377, 31.7606, 45.3102

Trichromacy



Original Color

21.9850, 31.6853, 24.6958



Protanomaly

25.8314, 31.0684, 22.7245



Deuteranomaly

26.8457, 30.5358, 25.2480



Tritanomaly

24.3983, 31.5819, 36.7083

Monochromacy



Original Color

21.9850, 31.6853, 24.6958



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.3056, 27.6995, 27.0399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9850, 31.6853, 24.6958 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(90, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(90, 168, 126)  
}
```

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(90, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 168, 126) }
```

Border

The CSS property to change the border of an element to XYZ 21.9850, 31.6853, 24.6958 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(90, 168, 126) }
```


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

```
.border{ border-color:rgb(90, 168, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 168, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(90, 168,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9850, 31.6853, 24.6958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 168, 126) }
```

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

```
.background{ background-color: rgb(90, 168,  
126) }
```

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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