

Converting Colors

XYZ(21.5218, 29.9837, 28.1210)

Have a look what the booklet for
XYZ(21.5218, 29.9837, 28.1210)
contains.

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Color

**XYZ(21.4716, 29.9982,
27.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	57A388
RGB	87, 163, 136
RGB Percent	34%, 64%, 53%
CMY	0.6588, 0.3608, 0.4667
CMYK	0.47, 0.00, 0.17, 0.36
HSL	159°, 30%, 49%
HSV	159°, 47%, 64%
XYZ	21.4716, 29.9982, 27.9511
YIQ	137.1980, -36.6290, -24.5090

Conversions

Conversions Part 2

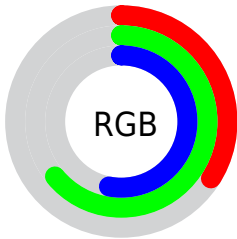
Format	Color
RYB	87, 133, 163
Decimal	5743496
CIELab	61.65, -30.19, 6.77
CIELCh	62, 30.943, 167.353
Yxy	29.9982, 0.2704, 0.3777
Android (android.graphics.Color)	4283933576 (0xFF57A388)
YUV	137.1980, -0.5906, -44.0236
Hunter-Lab	54.7706, -25.8716, 8.0819

Details

The XYZ color **21.4716, 29.9982, 27.9511** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.5507, 15.8186, 17.8382**, and the grayscale version is **23.8655, 25.1084, 27.3430**.

A 20% lighter version of the original color is **45.2412, 59.4797, 57.2404**, and **7.9292, 12.3321, 10.7665** is the 20% darker color. If you saturate the color by 10%, you get **19.7178, 29.1412, 25.7787**, and if you desaturate by 10%, it is **23.5929, 31.0437, 30.2581**.

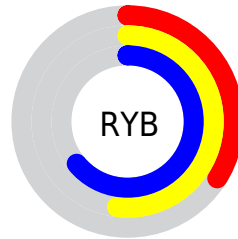
Distribution



Red (34%)

Green (64%)

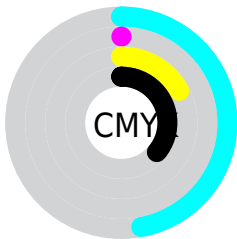
Blue (53%)



Red (34%)

Yellow (52%)

Blue (64%)

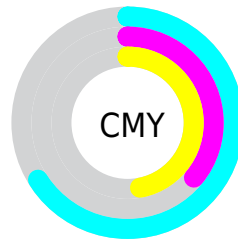


Cyan (47%)

Magenta (0%)

Yellow (17%)

Black (36%)



Cyan (66%)

Magenta (36%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4716, 29.9982, 27.9511 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 21.4716, 29.9982, 27.9511 by changing the saturation by 10% instead.

■ 21.4716, 29.9982,
27.9511

■ 21.4716, 29.9982,
27.9511

252.4588,
301.8961, 306.1378

■ 13.5836, 19.8372,
18.0501

■ 45.3565, 59.6593,
57.4285

■ 7.9114, 12.2768,
10.8161

■ 62.0841, 79.9283,
77.8420

■ 4.0896, 6.9325,
5.8307

■ 82.4889, 104.3353,
102.5967

■ 1.7530, 3.4199,
2.6753

■ 106.9363,
133.2649, 132.1112

■ 0.4891, 1.3547,
0.9310

135.7916,
167.1013, 166.8040

■ 0.0000, 0.1830,
0.0000

169.4202,

■ 0.0000, 0.0000,

206.2291, 207.0937

0.0000

208.1875,
251.0325, 253.3988

■ 21.4716, 29.9982,
27.9511

■ 21.4716, 29.9982,
27.9511

■ 19.7178, 29.1412,
25.7787

■ 23.5929, 31.0437,
30.2581

■ 18.3053, 28.4567,
23.7359

■ 26.1009, 32.2851,
32.7005

■ 17.2082, 27.9324,
21.8203


■ 29.0161, 33.7339,
35.2816


■ 16.3957, 27.5524,
20.0286


■ 32.3571, 35.3995,
38.0039


■ 15.8228, 27.2934,
18.3566


■ 36.1412, 37.2907,
40.8699

 15.6522, 27.2173,
17.8177

 40.3848, 39.4161,
43.8820

 45.1031, 41.7834,
47.0426

 50.3111, 44.4003,
50.3539

 56.0228, 47.2741,
53.8180

Harmonies

Analogous

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



23.0825, 29.9982, 19.5969



21.4716, 29.9982, 27.9511



21.6110, 29.9982, 39.8939

Triad

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



21.4716, 29.9982, 27.9511



30.9365, 29.9982, 59.3986



34.2123, 29.9982, 18.6764

Complementary

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



21.4716, 29.9982, 27.9511



21.5507, 15.8186, 17.8382

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.



36.7458, 29.9982, 26.3632



21.4716, 29.9982, 27.9511



34.7333, 29.9982, 50.5338

Square

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



21.4716, 29.9982, 27.9511



26.8158, 29.9982, 60.1185



36.9452, 29.9982, 37.8766



30.2790, 29.9982, 15.1740

Rectangle

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



21.4716, 29.9982, 27.9511



22.6770, 29.9982, 48.4203



36.9452, 29.9982, 37.8766



35.2716, 29.9982, 20.7591

Sweetspot

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



21.4724, 29.9994, 27.9518



53.3090, 61.0824, 64.3144



21.8711, 30.5196, 13.7554



11.7086, 13.5872, 14.2229



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.4724, 29.9994, 27.9518



35.1954, 52.1308, 46.0100



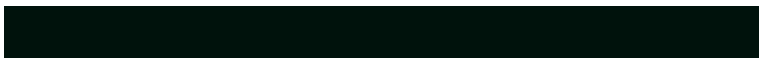
21.9117, 27.4106, 38.7877



7.1687, 7.9683, 8.5004



12.1863, 21.1609, 13.9637



0.2773, 0.4531, 0.4051

Inverse Universe

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



21.5507, 15.8186, 17.8382



35.3658, 23.5518, 25.6906



21.1125, 17.0495, 11.1954



7.1729, 7.1256, 7.8968



12.3506, 6.2963, 3.7708



0.2814, 0.1411, 0.1945

Previews

White Background



This preview shows how the XYZ color 21.4716, 29.9982, 27.9511 looks on a white background.

Color Contrast Check

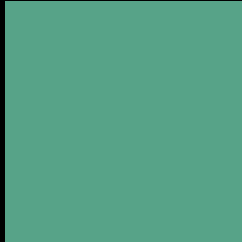
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4716, 29.9982, 27.9511 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 21.4716, 29.9982, 27.9511

Background



This preview shows how black text looks on a background with the XYZ color 21.4716, 29.9982, 27.9511.

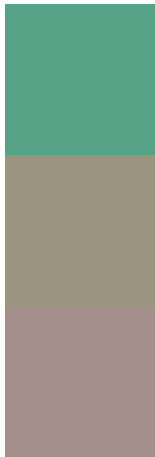


This preview shows how white text looks on a background with the XYZ color 21.4716, 29.9982,

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

21.4716, 29.9982, 27.9511

Protanopia

28.0038, 29.7069, 24.6801

Deuteranopia

30.0731, 29.5377, 28.9273



Tritanopia

24.5073, 29.9354, 43.0145

Trichromacy



Original Color

21.4716, 29.9982, 27.9511

Protanomaly

24.6939, 29.1670, 25.8010

Deuteranomaly

25.8831, 28.9951, 28.6585

Tritanomaly

23.2566, 29.9374, 36.9005

Monochromacy



Original Color

21.4716, 29.9982, 27.9511

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.4020, 26.2858, 27.5599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4716, 29.9982, 27.9511 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(87, 163, 136)` looks like.

```
.text, #text, p{  
    color:rgb(87, 163, 136)  
}
```

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(87, 163, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 163, 136) }
```

Border

The CSS property to change the border of an element to XYZ 21.4716, 29.9982, 27.9511 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(87, 163, 136) }
```


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

```
.border{ border-color:rgb(87, 163, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 163, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 163, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 163, 136);  
box-shadow:4px 4px 4px 4px rgb(87, 163,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4716, 29.9982, 27.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 163, 136) }
```

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

```
.background{ background-color: rgb(87, 163,  
136) }
```

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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