

Converting Colors

XYZ(21.4677, 28.5185, 13.2980)

Have a look what the booklet for
XYZ(21.4677, 28.5185, 13.2980)
contains.

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Color

**XYZ(21.4939, 28.5300,
13.3908)**

Conversions

Conversions Part 1

Format	Color
Hex	799C57
RGB	121, 156, 87
RGB Percent	47%, 61%, 34%
CMY	0.5255, 0.3882, 0.6588
CMYK	0.22, 0.00, 0.44, 0.39
HSL	90°, 28%, 48%
HSV	90°, 44%, 61%
XYZ	21.4939, 28.5300, 13.3908
YIQ	137.6690, 1.2890, -28.8790

Conversions

Conversions Part 2

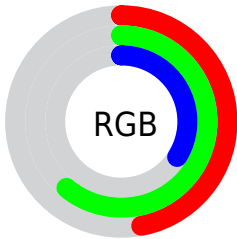
Format	Color
RYB	87, 156, 122
Decimal	7969879
CIELab	60.36, -24.53, 32.20
CIElCh	60, 40.485, 127.303
Yxy	28.5300, 0.3389, 0.4499
Android (android.graphics.Color)	4286159959 (0xFF799C57)
YUV	137.6690, -24.9798, -14.6187
Hunter-Lab	53.4135, -21.6441, 22.5254

Details

The XYZ color **21.4939, 28.5300, 13.3908** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.4362, 13.3551, 33.1129**, and the grayscale version is **24.1237, 25.3801, 27.6389**.

A 20% lighter version of the original color is **45.5609, 57.5375, 32.7493**, and **7.9436, 11.5517, 3.7305** is the 20% darker color. If you saturate the color by 10%, you get **19.8605, 27.7547, 10.3394**, and if you desaturate by 10%, it is **23.3575, 29.4098, 17.1731**.

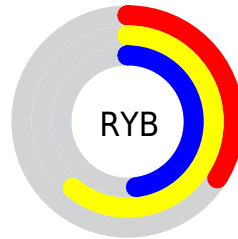
Distribution



Red (47%)

Green (61%)

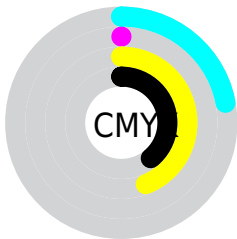
Blue (34%)



Red (34%)

Yellow (61%)

Blue (48%)

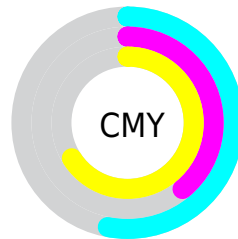


Cyan (22%)

Magenta (0%)

Yellow (44%)

Black (39%)



Cyan (53%)

Magenta (39%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4939, 28.5300, 13.3908 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 21.4939, 28.5300, 13.3908 by changing the saturation by 10% instead.

■ 21.4939, 28.5300,
13.3908

■ 21.4939, 28.5300,
13.3908

252.5741,
294.9909, 224.7024

■ 13.6000, 18.7256,
7.5643

■ 45.3932, 57.3295,
32.7055

■ 7.9228, 11.4721,
3.7337

■ 62.1293, 77.0934,
47.0309

■ 4.0970, 6.3854,
1.4804

■ 82.5436, 100.9458,
65.0262

■ 1.7572, 3.0808,
0.2033

■ 107.0013,
129.2713, 87.1101

■ 0.4917, 1.1741,
0.0000

■ 135.8679,
162.4541, 113.7012

■ 0.0000, 0.0404,
0.0000

169.5086,

■ 0.0000, 0.0000,

200.8787, 145.2179

0.0000

208.2889,
244.9295, 182.0788

■ 21.4939, 28.5300,
13.3908

■ 21.4939, 28.5300,
13.3908

■ 19.8605, 27.7547,
10.3394

■ 23.3575, 29.4098,
17.1731

■ 18.4440, 27.0754,
7.9699

■ 25.4594, 30.3948,
21.7276

■ 17.2329, 26.4883,
6.2299


■ 27.8100, 31.4902,
27.0947


■ 16.2132, 25.9876,
5.0588


■ 30.4181, 32.6998,
33.3114


■ 15.3688, 25.5663,
4.3832


■ 33.2922, 34.0273,
40.4123

 14.9388, 25.3503,
4.1057

 36.4405, 35.4761,
48.4303

 39.8705, 37.0494,
57.3965

 43.5898, 38.7505,
67.3405

 47.6053, 40.5824,
78.2907

Harmonies

Analogous

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



25.8649, 28.5300, 10.4285



21.4939, 28.5300, 13.3908



18.8938, 28.5300, 21.2671

Triad

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



21.4939, 28.5300, 13.3908



23.4364, 28.5300, 65.7096



38.3016, 28.5300, 27.5624

Complementary

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



21.4939, 28.5300, 13.3908



17.4362, 13.3551, 33.1129

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.



37.4349, 28.5300, 43.4855



21.4939, 28.5300, 13.3908



28.4087, 28.5300, 69.0382

Square

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



21.4939, 28.5300, 13.3908



19.9111, 28.5300, 51.8676



33.6439, 28.5300, 59.8884



35.8801, 28.5300, 16.7333

Rectangle

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



21.4939, 28.5300, 13.3908



18.2998, 28.5300, 29.7351



33.6439, 28.5300, 59.8884



38.3899, 28.5300, 32.4325

Sweetspot

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



21.4946, 28.5312, 13.3914



50.9487, 57.3969, 50.2397



22.3300, 21.5537, 12.0006



11.0058, 12.5344, 10.5760



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.4946, 28.5312, 13.3914



36.1209, 50.4319, 18.8680



17.5401, 26.4926, 13.2063



6.8464, 7.5534, 7.0828



12.3443, 20.9004, 3.3836



0.2695, 0.3988, 0.0628

Inverse Universe

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



17.4362, 13.3551, 33.1129



27.7830, 19.2568, 59.3793



23.1204, 16.2854, 33.3789



6.5894, 6.5923, 8.3318



7.6482, 3.3718, 26.1550



0.1855, 0.0854, 0.4699

Previews

White Background



This preview shows how the XYZ color 21.4939, 28.5300, 13.3908 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 21.4939, 28.5300, 13.3908 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 × Fail

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

XYZ 21.4939, 28.5300, 13.3908

Background



This preview shows how black text looks on a background with the XYZ color 21.4939, 28.5300, 13.3908.



This preview shows how white text looks on a background with the XYZ color 21.4939, 28.5300,

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

21.4939, 28.5300, 13.3908

Protanopia

25.9848, 28.2463, 12.2661

Deuteranopia

28.8001, 28.3345, 13.8487



Tritanopia

26.2080, 28.5083, 36.9222

Trichromacy



Original Color

21.4939, 28.5300, 13.3908

Protanomaly

24.0247, 28.1547, 12.5557

Deuteranomaly

25.4884, 27.9575, 13.7258

Tritanomaly

24.0526, 28.3387, 26.3925

Monochromacy



Original Color

21.4939, 28.5300, 13.3908

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.9709, 26.4882, 21.3548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4939, 28.5300, 13.3908 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(121, 156, 87)` looks like.

```
.text, #text, p{  
    color:rgb(121, 156, 87)  
}
```

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(121, 156, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 156, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.4939, 28.5300, 13.3908 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(121, 156, 87) }
```


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

```
.border{ border-color:rgb(121, 156, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 156, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 156, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 156, 87);  
box-shadow:4px 4px 4px 4px rgb(121, 156,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4939, 28.5300, 13.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 156, 87) }
```

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

```
.background{ background-color: rgb(121,  
156, 87) }
```

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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