

Converting Colors

XYZ(21.7910, 32.9978, 24.2938)

Have a look what the booklet for
XYZ(21.7910, 32.9978, 24.2938)
contains.

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Color

**XYZ(21.8061, 33.0046,
24.2900)**

Conversions

Conversions Part 1

Format	Color
Hex	4FAD7C
RGB	79, 173, 124
RGB Percent	31%, 68%, 49%
CMY	0.6902, 0.3216, 0.5137
CMYK	0.54, 0.00, 0.28, 0.32
HSL	149°, 37%, 49%
HSV	149°, 54%, 68%
XYZ	21.8061, 33.0046, 24.2900
YIQ	139.3080, -40.2950, -35.1670

Conversions

Conversions Part 2

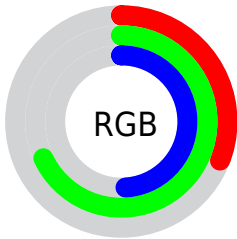
Format	Color
RYB	79, 143, 173
Decimal	5221756
CIELab	64.16, -39.45, 16.92
CIELCh	64, 42.921, 156.787
Yxy	33.0046, 0.2757, 0.4172
Android (android.graphics.Color)	4283411836 (0xFF4FAD7C)
YUV	139.3080, -7.5468, -52.8901
Hunter-Lab	57.4496, -32.7838, 15.1466

Details

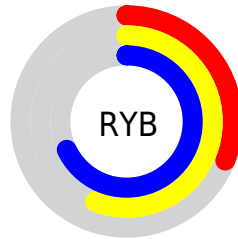
The XYZ color **21.8061, 33.0046, 24.2900** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.9269, 16.0355, 22.2574**, and the grayscale version is **24.6994, 25.9857, 28.2984**.

A 20% lighter version of the original color is **45.9468, 64.3638, 51.5968**, and **8.1116, 14.0055, 8.9324** is the 20% darker color. If you saturate the color by 10%, you get **20.0057, 32.1402, 21.3639**, and if you desaturate by 10%, it is **24.0349, 34.0855, 27.5100**.

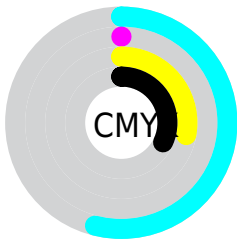
Distribution



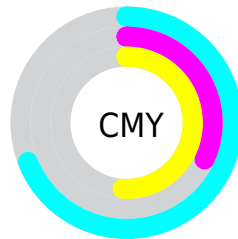
- Red (31%)
- Green (68%)
- Blue (49%)



- Red (31%)
- Yellow (56%)
- Blue (68%)



- Cyan (54%)
- Magenta (0%)
- Yellow (28%)
- Black (32%)





- Cyan (69%)
- Magenta (32%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8061, 33.0046, 24.2900 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 21.8061, 33.0046, 24.2900 by changing the saturation by 10% instead.


 21.8061, 33.0046,
24.2900


 21.8061, 33.0046,
24.2900

254.1834,
315.6705, 287.6170


 13.8303, 22.1300,
15.3347


 45.9066, 64.3827,
51.4528


 8.0836, 13.9524,
8.9054


 62.7619, 85.6550,
70.4973


 4.2008, 8.0876,
4.5836


 83.3079, 111.1619,
93.7420

 1.8163, 4.1510,
1.9506

 107.9097,
141.2879, 121.6055

 0.5275, 1.7584,
0.5247

 136.9328,
176.4174, 154.5061

 0.0000, 0.4611,
0.0000

170.7426,

 0.0000, 0.0000,

216.9347, 192.8626

0.0000

209.7043,
263.2243, 237.0934

■ 21.8061, 33.0046,
24.2900

■ 21.8061, 33.0046,
24.2900

■ 20.0057, 32.1402,
21.3639

■ 24.0349, 34.0855,
27.5100

■ 18.5999, 31.4726,
18.7206

■ 26.7174, 35.3933,
31.0298

■ 17.5540, 30.9848,
16.3516

■ 29.8798, 36.9421,
34.8581

■ 16.8253, 30.6549,
14.2471

■ 33.5455, 38.7439,
39.0025

■ 16.4985, 30.5100,
13.1665

■ 37.7364, 40.8099,
43.4704

■ 42.4731, 43.1504,
48.2688

■ 47.7751, 45.7755,
53.4046

■ 53.6606, 48.6944,
58.8843

■ 60.1474, 51.9162,
64.7143

Harmonies

Analogous

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



24.8772, 33.0046, 15.2396



21.8061, 33.0046, 24.2900



21.1348, 33.0046, 40.0401

Triad

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



21.8061, 33.0046, 24.2900



32.7718, 33.0046, 80.4859



41.6941, 33.0046, 19.3849

Complementary

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



21.8061, 33.0046, 24.2900



23.9269, 16.0355, 22.2574

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.



44.4685, 33.0046, 32.1231



21.8061, 33.0046, 24.2900



38.9040, 33.0046, 69.9696

Square

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



21.8061, 33.0046, 24.2900



26.9843, 33.0046, 76.3222



43.3867, 33.0046, 50.8130



36.2067, 33.0046, 13.1136

Rectangle

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



21.8061, 33.0046, 24.2900



22.0488, 33.0046, 53.2349



43.3867, 33.0046, 50.8130



43.0052, 33.0046, 22.8612

Sweetspot

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



21.8070, 33.0059, 24.2908



58.7269, 68.7219, 68.3607



25.4294, 35.1306, 12.8382



12.4723, 14.7920, 14.5321



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.8070, 33.0059, 24.2908



35.3239, 57.3189, 37.3706



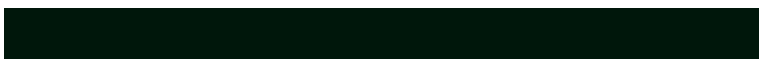
25.4122, 34.4480, 43.2754



8.0582, 9.0008, 9.3313



12.1487, 22.4248, 9.8228



0.3657, 0.6349, 0.4195

Inverse Universe

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



23.9269, 16.0355, 22.2574



39.5083, 23.7894, 33.3330



21.5585, 15.0881, 9.7858



8.1730, 8.0825, 9.2220



14.0512, 7.0830, 7.9150



0.4183, 0.2080, 0.3648

Previews

White Background



This preview shows how the XYZ color 21.8061, 33.0046, 24.2900 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 21.8061, 33.0046, 24.2900 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 21.8061, 33.0046, 24.2900

Background



This preview shows how black text looks on a background with the XYZ color 21.8061, 33.0046, 24.2900.



This preview shows how white text looks on a background with the XYZ color 21.8061, 33.0046,

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

21.8061, 33.0046, 24.2900

Protanopia

30.3760, 32.4560, 20.8833

Deuteranopia

33.0700, 32.5448, 25.3077



Tritanopia

26.4922, 32.9600, 47.6135

Trichromacy



Original Color

21.8061, 33.0046, 24.2900



Protanomaly

25.8464, 31.8661, 21.9281



Deuteranomaly

27.2130, 31.7368, 24.7702



Tritanomaly

24.5658, 33.0030, 37.8763

Monochromacy



Original Color

21.8061, 33.0046, 24.2900



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.7058, 27.6364, 26.6919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8061, 33.0046, 24.2900 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(79, 173, 124)` looks like.

```
.text, #text, p{  
    color:rgb(79, 173, 124)  
}
```

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(79, 173, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 173, 124) }
```

Border

The CSS property to change the border of an element to XYZ 21.8061, 33.0046, 24.2900 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(79, 173, 124) }
```


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

```
.border{ border-color:rgb(79, 173, 124) }
```

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

Here you see how a box with a 4 pixel rgb(79, 173, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 173, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 173, 124);  
box-shadow:4px 4px 4px 4px rgb(79, 173,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8061, 33.0046, 24.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 173, 124) }
```

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

```
.background{ background-color: rgb(79, 173,  
124) }
```

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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