

Converting Colors

XYZ(19.2829, 28.1233, 22.0418)

Have a look what the booklet for
XYZ(19.2829, 28.1233, 22.0418)
contains.

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Color

**XYZ(19.3543, 28.2470,
22.2014)**

Conversions

Conversions Part 1

Format	Color
Hex	51A078
RGB	81, 160, 120
RGB Percent	32%, 63%, 47%
CMY	0.6823, 0.3725, 0.5294
CMYK	0.49, 0.00, 0.25, 0.37
HSL	150°, 33%, 47%
HSV	150°, 49%, 63%
XYZ	19.3543, 28.2470, 22.2014
YIQ	131.8190, -34.2440, -29.1880

Conversions

Conversions Part 2

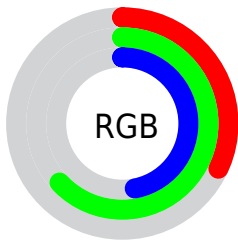
Format	Color
RYB	81, 134, 160
Decimal	5349496
CIELab	60.11, -33.91, 13.51
CIElCh	60, 36.498, 158.275
Yxy	28.2470, 0.2773, 0.4047
Android (android.graphics.Color)	4283539576 (0xFF51A078)
YUV	131.8190, -5.8268, -44.5683
Hunter-Lab	53.1479, -28.0064, 12.4364

Details

The XYZ color **19.3543, 28.2470, 22.2014** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.8918, 14.7396, 19.8342**, and the grayscale version is **21.8967, 23.0370, 25.0873**.

A 20% lighter version of the original color is **41.7385, 56.7303, 47.7799**, and **6.8532, 11.3622, 7.7932** is the 20% darker color. If you saturate the color by 10%, you get **17.6704, 27.4341, 19.6640**, and if you desaturate by 10%, it is **21.4044, 29.2454, 24.9744**.

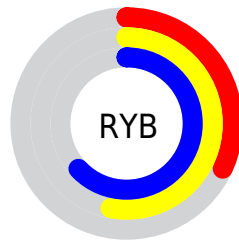
Distribution



Red (32%)

Green (63%)

Blue (47%)



Red (32%)

Yellow (53%)

Blue (63%)

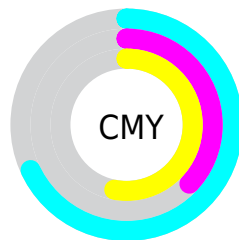


Cyan (49%)

Magenta (0%)

Yellow (25%)

Black (37%)



Cyan (68%)

Magenta (37%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3543, 28.2470, 22.2014 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 19.3543, 28.2470, 22.2014 by changing the saturation by 10% instead.

■ 19.3543, 28.2470,
22.2014

■ 19.3543, 28.2470,
22.2014

241.2985,
293.6453, 276.5840

■ 12.0321, 18.5119,
13.8052

■ 41.8442, 56.8785,
47.9851

■ 6.8379, 11.3182,
7.8481

■ 57.7426, 76.5438,
66.2097

■ 3.4064, 6.2813,
3.9115

■ 77.2304, 100.2880,
88.5475

■ 1.3721, 3.0168,
1.5769

■ 100.6730,
128.4953, 115.4171

■ 0.2362, 1.1405,
0.2743

■ 128.4358,
161.5504, 147.2370

■ 0.0000, 0.0123,
0.0000

160.8841,

■ 0.0000, 0.0000,

199.8374, 184.4258

0.0000

198.3832,
243.7410, 227.4019

■ 19.3543, 28.2470,
22.2014

■ 19.3543, 28.2470,
22.2014

■ 17.6704, 27.4341,
19.6640

■ 21.4044, 29.2454,
24.9744

■ 16.3264, 26.7910,
17.3537

■ 23.8402, 30.4369,
27.9873

■ 15.2959, 26.3049,
15.2644


■ 26.6825, 31.8330,
31.2465


■ 14.5472, 25.9597,
13.3888


■ 29.9499, 33.4430,
34.7578


■ 14.0131, 25.7208,
11.7177


■ 33.6598, 35.2760,
38.5267

 13.9821, 25.7070,
11.6196

 37.8286, 37.3402,
42.5586

 42.4718, 39.6435,
46.8584

 47.6044, 42.1935,
51.4314

 53.2403, 44.9974,
56.2822

Harmonies

Analogous

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



21.6710, 28.2470, 14.6883



19.3543, 28.2470, 22.2014



18.9209, 28.2470, 34.5996

Triad

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



19.3543, 28.2470, 22.2014



28.1584, 28.2470, 63.7832



34.5148, 28.2470, 17.4410

Complementary

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



19.3543, 28.2470, 22.2014



20.8918, 14.7396, 19.8342

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.



36.7275, 28.2470, 27.2085



19.3543, 28.2470, 22.2014



32.7899, 28.2470, 55.6220

Square

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



19.3543, 28.2470, 22.2014



23.6658, 28.2470, 61.2867



36.0622, 28.2470, 41.2669



30.3032, 28.2470, 12.5452

Rectangle

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



19.3543, 28.2470, 22.2014



19.7043, 28.2470, 44.5849



36.0622, 28.2470, 41.2669



35.5380, 28.2470, 20.1308

Sweetspot

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



19.3551, 28.2481, 22.2020



50.7744, 58.9437, 59.2812



22.0570, 29.8611, 12.3862



10.8854, 12.8040, 12.7292



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.3551, 28.2481, 22.2020



31.8757, 49.7108, 35.3682



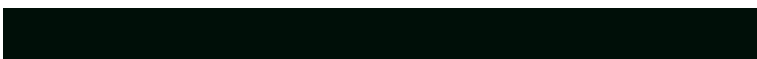
22.1956, 29.3844, 37.1603



6.6804, 7.4529, 7.7516



10.9136, 20.0334, 9.1681



0.2165, 0.3667, 0.2763

Inverse Universe

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



20.8918, 14.7396, 19.8342



34.9901, 22.3270, 30.5645



18.9755, 13.9731, 9.7433



6.7661, 6.6994, 7.6196



12.4728, 6.2937, 6.7407



0.2444, 0.1211, 0.2330

Previews

White Background



This preview shows how the XYZ color 19.3543, 28.2470, 22.2014 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 19.3543, 28.2470, 22.2014 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 19.3543, 28.2470, 22.2014

Background



This preview shows how black text looks on a background with the XYZ color 19.3543, 28.2470, 22.2014.



This preview shows how white text looks on a background with the XYZ color 19.3543, 28.2470,

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

19.3543, 28.2470, 22.2014

Protanopia

26.2243, 27.9864, 19.3490

Deuteranopia

28.4513, 27.9452, 23.2965



Tritanopia

22.9527, 28.1915, 40.3082

Trichromacy



Original Color

19.3543, 28.2470, 22.2014

Protanomaly

22.7533, 27.5625, 20.3405

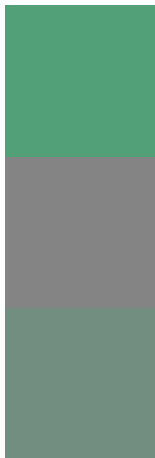
Deuteranomaly

23.8404, 27.3658, 22.7645

Tritanomaly

21.4331, 28.0707, 32.7223

Monochromacy



Original Color

19.3543, 28.2470, 22.2014

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.3793, 24.4152, 24.0606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3543, 28.2470, 22.2014 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(81, 160, 120)` looks like.

```
.text, #text, p{  
    color:rgb(81, 160, 120)  
}
```

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(81, 160, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 160, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.3543, 28.2470, 22.2014 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(81, 160, 120) }
```


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

```
.border{ border-color:rgb(81, 160, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 160, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 160, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 160, 120);  
box-shadow:4px 4px 4px 4px rgb(81, 160,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3543, 28.2470, 22.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 160, 120) }
```

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

```
.background{ background-color: rgb(81, 160,  
120) }
```

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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