

Converting Colors

XYZ(19.2626, 30.3798, 20.2080)

Have a look what the booklet for
XYZ(19.2626, 30.3798, 20.2080)
contains.

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Color

**XYZ(19.2420, 30.3684,
20.1768)**

Conversions

Conversions Part 1

Format	Color
Hex	43A870
RGB	67, 168, 112
RGB Percent	26%, 66%, 44%
CMY	0.7372, 0.3412, 0.5608
CMYK	0.60, 0.00, 0.33, 0.34
HSL	147°, 43%, 46%
HSV	147°, 60%, 66%
XYZ	19.2420, 30.3684, 20.1768
YIQ	131.4170, -42.2200, -38.8280

Conversions

Conversions Part 2

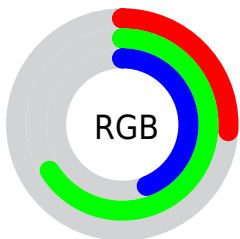
Format	Color
RYB	67, 137, 168
Decimal	4434032
CIELab	61.97, -42.49, 20.41
CIELCh	62, 47.139, 154.345
Yxy	30.3684, 0.2757, 0.4352
Android (android.graphics.Color)	4282624112 (0xFF43A870)
YUV	131.4170, -9.5726, -56.4937
Hunter-Lab	55.1075, -34.1110, 16.8671

Details

The XYZ color **19.2420, 30.3684, 20.1768** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.7317, 13.7698, 20.2524**, and the grayscale version is **21.7673, 22.9009, 24.9391**.

A 20% lighter version of the original color is **41.6687, 60.2767, 44.5604**, and **7.0561, 12.6316, 6.9167** is the 20% darker color. If you saturate the color by 10%, you get **17.7610, 29.6626, 17.5390**, and if you desaturate by 10%, it is **21.1123, 31.2703, 23.1143**.

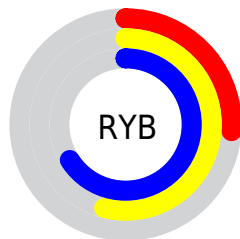
Distribution



Red (26%)

Green (66%)

Blue (44%)



Red (26%)

Yellow (54%)

Blue (66%)

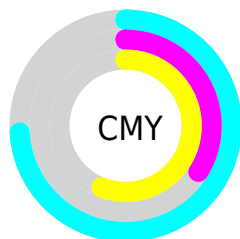


Cyan (60%)

Magenta (0%)

Yellow (33%)

Black (34%)



Cyan (74%)

Magenta (34%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2420, 30.3684, 20.1768 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 19.2420, 30.3684, 20.1768 by changing the saturation by 10% instead.

■ 19.2420, 30.3684,
20.1768

■ 19.2420, 30.3684,
20.1768

240.6940,
303.6179, 265.5065

■ 11.9503, 20.1184,
12.3383

■ 41.6563, 60.2443,
44.5763

■ 6.7818, 12.4811,
6.8492

■ 57.5097, 80.6390,
61.9743

■ 3.3711, 7.0722,
3.2909

■ 76.9477, 105.1840,
83.3959

■ 1.3529, 3.5073,
1.2450

■ 100.3356,
134.2637, 109.2596

■ 0.2223, 1.4020,
0.0161

■ 128.0389,
168.2626, 139.9840

■ 0.0000, 0.2182,
0.0000

160.4228,

■ 0.0000, 0.0000,

207.5650, 175.9876

0.0000

197.8527,
252.5553, 217.6889

■ 19.2420, 30.3684,
20.1768

■ 19.2420, 30.3684,
20.1768

■ 17.7610, 29.6626,
17.5390

■ 21.1123, 31.2703,
23.1143

■ 16.6356, 29.1333,
15.1889

■ 23.3975, 32.3789,
26.3588

■ 15.8297, 28.7629,
13.1166

■ 26.1233, 33.7081,
29.9200

■ 15.2681, 28.5124,
11.3288

■ 29.3129, 35.2697,
33.8065

■ 32.9877, 37.0746,
38.0264

■ 37.1678, 39.1328,
42.5878

■ 41.8719, 41.4541,
47.4981

■ 47.1181, 44.0474,
52.7649

■ 52.9232, 46.9215,
58.3953

Harmonies

Analogous

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



22.5401, 30.3684, 11.8589



19.2420, 30.3684, 20.1768



18.3685, 30.3684, 35.7717

Triad

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



19.2420, 30.3684, 20.1768



29.7942, 30.3684, 81.2901



40.0984, 30.3684, 17.0682

Complementary

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



19.2420, 30.3684, 20.1768



21.7317, 13.7698, 20.2524

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.



42.7475, 30.3684, 30.5003



19.2420, 30.3684, 20.1768



36.2729, 30.3684, 70.9027

Square

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



19.2420, 30.3684, 20.1768



23.9187, 30.3684, 75.3753



41.2549, 30.3684, 50.5279



34.4485, 30.3684, 10.5778

Rectangle

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



19.2420, 30.3684, 20.1768



19.1525, 30.3684, 49.5772



41.2549, 30.3684, 50.5279



41.4041, 30.3684, 20.7001

Sweetspot

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



19.2428, 30.3696, 20.1775



54.3172, 64.5523, 62.6689



23.3627, 32.7143, 10.3936



11.4566, 13.8821, 13.2085



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.



19.2428, 30.3696, 20.1775



31.5072, 53.4839, 30.4040



22.7749, 31.7825, 38.7773



7.5704, 8.4612, 8.7241



11.5545, 21.5406, 8.6868



0.3071, 0.5345, 0.3480

Inverse Universe

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



21.7317, 13.7698, 20.2524



36.4151, 20.6558, 30.4810



19.3835, 12.8306, 7.8868



7.6986, 7.6093, 8.7303



13.7178, 6.8958, 8.5916



0.3589, 0.1778, 0.3415

Previews

White Background



This preview shows how the XYZ color 19.2420, 30.3684, 20.1768 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 19.2420, 30.3684, 20.1768 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 19.2420, 30.3684, 20.1768

Background



This preview shows how black text looks on a background with the XYZ color 19.2420, 30.3684, 20.1768.



This preview shows how white text looks on a background with the XYZ color 19.2420, 30.3684,

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

19.2420, 30.3684, 20.1768

Protanopia

27.9441, 30.0714, 17.4283

Deuteranopia

30.5480, 29.9516, 21.3107



Tritanopia

23.9514, 30.1372, 44.0898

Trichromacy



Original Color

19.2420, 30.3684, 20.1768

Protanomaly

23.2947, 29.3505, 18.3474

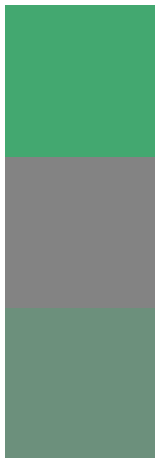
Deuteranomaly

24.3723, 28.8683, 20.8106

Tritanomaly

21.9076, 30.0910, 33.9317

Monochromacy



Original Color

19.2420, 30.3684, 20.1768

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.7957, 24.5899, 22.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2420, 30.3684, 20.1768 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(67, 168, 112)` looks like.

```
.text, #text, p{  
    color:rgb(67, 168, 112)  
}
```

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(67, 168, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 168, 112) }
```

Border

The CSS property to change the border of an element to XYZ 19.2420, 30.3684, 20.1768 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(67, 168, 112) }
```


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

```
.border{ border-color:rgb(67, 168, 112) }
```

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

Here you see how a box with a 4 pixel rgb(67, 168, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 168, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 168, 112);  
box-shadow:4px 4px 4px 4px rgb(67, 168,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2420, 30.3684, 20.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 168, 112) }
```

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

```
.background{ background-color: rgb(67, 168,  
112) }
```

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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