

Converting Colors

XYZ(21.3382, 32.0447, 18.4252)

Have a look what the booklet for
XYZ(21.3382, 32.0447, 18.4252)
contains.

XYZ(21.3382, 32.0447, 18.4252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.3382, 32.0447,
18.4252)**

Conversions

Conversions Part 1

Format	Color
Hex	5CAA69
RGB	92, 170, 105
RGB Percent	36%, 67%, 41%
CMY	0.6392, 0.3333, 0.5882
CMYK	0.46, 0.00, 0.38, 0.33
HSL	130°, 31%, 51%
HSV	130°, 46%, 67%
XYZ	21.3382, 32.0447, 18.4252
YIQ	139.2680, -25.6230, -36.7510

Conversions

Conversions Part 2

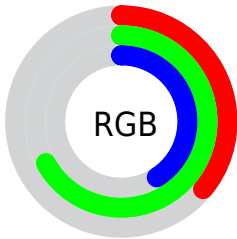
Format	Color
RYB	92, 159, 170
Decimal	6072937
CIELab	63.38, -38.27, 26.24
CIElCh	63, 46.400, 145.564
Yxy	32.0447, 0.2972, 0.4463
Android (android.graphics.Color)	4284263017 (0xFF5CAA69)
YUV	139.2680, -16.8941, -41.4540
Hunter-Lab	56.6080, -31.7791, 20.3275

Details

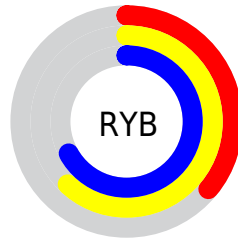
The XYZ color **21.3382, 32.0447, 18.4252** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.4916, 18.6354, 34.1003**, and the grayscale version is **24.7148, 26.0019, 28.3161**.

A 20% lighter version of the original color is **45.1362, 62.9380, 41.6676**, and **7.8274, 13.3931, 6.0435** is the 20% darker color. If you saturate the color by 10%, you get **19.1583, 30.9991, 14.8339**, and if you desaturate by 10%, it is **24.0222, 33.3380, 22.6747**.

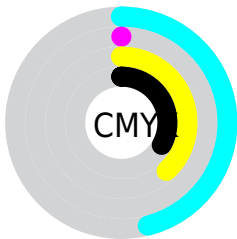
Distribution



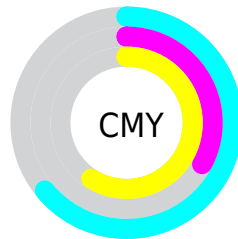
- Red (36%)
- Green (67%)
- Blue (41%)



- Red (36%)
- Yellow (62%)
- Blue (67%)



- Cyan (46%)
- Magenta (0%)
- Yellow (38%)
- Black (33%)



- Cyan (64%)
- Magenta (33%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3382, 32.0447, 18.4252 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 21.3382, 32.0447, 18.4252 by changing the saturation by 10% instead.

■ 21.3382, 32.0447,
18.4252

■ 21.3382, 32.0447,
18.4252

251.7683,
311.3228, 255.5730

■ 13.4853, 21.3956,
11.0831

■ 45.1368, 62.8812,
41.5842

■ 7.8429, 13.4135,
6.0079

■ 61.8131, 83.8373,
58.2382

■ 4.0455, 7.7139,
2.7810

■ 82.1614, 108.9980,
78.8332

■ 1.7279, 3.9124,
0.9839

■ 106.5469,
138.7476, 103.7879

■ 0.4737, 1.6247,
0.0000

135.3350,
173.4705, 133.5206

■ 0.0000, 0.3742,
0.0000

168.8910,

■ 0.0000, 0.0000,

213.5511, 168.4500

0.0000

207.5803,
259.3737, 208.9946

■ 21.3382, 32.0447,
18.4252

■ 21.3382, 32.0447,
18.4252

■ 19.1583, 30.9991,
14.8339

■ 24.0222, 33.3380,
22.6747

■ 17.4482, 30.1814,
11.8659

■ 27.2367, 34.8892,
27.6109

■ 16.1731, 29.5754,
9.4861


■ 31.0095, 36.7129,
33.2629


■ 15.2925, 29.1611,
7.6553

■ 35.3653, 38.8215,
39.6579


■ 14.7541, 28.9123,
6.3291


■ 40.3278, 41.2263,
46.8215

 14.5890, 28.8361,
5.9167

 45.9190, 43.9383,
54.7779

 52.1599, 46.9679,
63.5505

 59.0706, 50.3250,
73.1616

 66.6703, 54.0188,
83.6327

Harmonies

Analogous

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



25.4172, 32.0447, 11.6708



21.3382, 32.0447, 18.4252



19.6985, 32.0447, 32.2180

Triad

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



21.3382, 32.0447, 18.4252



29.5092, 32.0447, 83.5790



43.0588, 32.0447, 21.7087

Complementary

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



21.3382, 32.0447, 18.4252



26.4916, 18.6354, 34.1003

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.



44.5572, 32.0447, 37.7084



21.3382, 32.0447, 18.4252



36.1236, 32.0447, 77.6934

Square

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



21.3382, 32.0447, 18.4252



23.9742, 32.0447, 73.1067



41.8630, 32.0447, 59.0516



38.0155, 32.0447, 13.0438

Rectangle

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



21.3382, 32.0447, 18.4252



20.0123, 32.0447, 45.3057



41.8630, 32.0447, 59.0516



44.0216, 32.0447, 26.2091

Sweetspot

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



21.3390, 32.0460, 18.4259



57.4749, 67.1962, 62.1461



30.2124, 36.6918, 15.6154



12.4686, 14.8164, 13.3428



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.



21.3390, 32.0460, 18.4259



34.7189, 56.2229, 26.8453



23.8234, 33.0398, 31.5083



7.4859, 8.4274, 8.2788



10.7459, 21.2171, 4.4290



0.2759, 0.5220, 0.1838

Inverse Universe

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



26.4916, 18.6354, 34.1003



45.2225, 28.8294, 58.7568



23.6757, 17.5090, 19.2719



7.7874, 7.6448, 9.1977



15.7855, 7.7229, 19.4797



0.3979, 0.1934, 0.5467

Previews

White Background



This preview shows how the XYZ color 21.3382, 32.0447, 18.4252 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 21.3382, 32.0447, 18.4252 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 21.3382, 32.0447, 18.4252

Background



This preview shows how black text looks on a background with the XYZ color 21.3382, 32.0447, 18.4252.



This preview shows how white text looks on a background with the XYZ color 21.3382, 32.0447,

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

21.3382, 32.0447, 18.4252

Protanopia

29.3217, 31.7713, 16.1423

Deuteranopia

32.1494, 31.5073, 19.1389



Tritanopia

26.7216, 32.0616, 45.3376

Trichromacy



Original Color

21.3382, 32.0447, 18.4252

Protanomaly

25.3946, 31.2248, 17.0005

Deuteranomaly

26.8225, 30.9150, 18.7408

Tritanomaly

24.4396, 31.9371, 33.7305

Monochromacy



Original Color

21.3382, 32.0447, 18.4252

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.7632, 27.4826, 24.1836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3382, 32.0447, 18.4252 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(92, 170, 105)` looks like.

```
.text, #text, p{  
    color:rgb(92, 170, 105)  
}
```

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(92, 170, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 170, 105) }
```

Border

The CSS property to change the border of an element to XYZ 21.3382, 32.0447, 18.4252 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(92, 170, 105) }
```


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

```
.border{ border-color:rgb(92, 170, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 170, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 170, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 170, 105);  
box-shadow:4px 4px 4px 4px rgb(92, 170,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3382, 32.0447, 18.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 170, 105) }
```

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

```
.background{ background-color: rgb(92, 170,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor