

Converting Colors

XYZ(21.9869, 32.3573, 20.0300)

Have a look what the booklet for
XYZ(21.9869, 32.3573, 20.0300)
contains.

XYZ(21.9633, 32.3300, 20.1217)	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(21.9633, 32.3300,
20.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	5FAA6F
RGB	95, 170, 111
RGB Percent	37%, 67%, 44%
CMY	0.6274, 0.3333, 0.5647
CMYK	0.44, 0.00, 0.35, 0.33
HSL	133°, 31%, 52%
HSV	133°, 44%, 67%
XYZ	21.9633, 32.3300, 20.1217
YIQ	140.8490, -25.7610, -34.2490

Conversions

Conversions Part 2

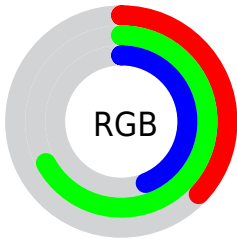
Format	Color
RYB	95, 157, 170
Decimal	6269551
CIELab	63.61, -36.34, 23.35
CIELCh	64, 43.196, 147.282
Yxy	32.3300, 0.2951, 0.4345
Android (android.graphics.Color)	4284459631 (0xFF5FAA6F)
YUV	140.8490, -14.7156, -40.2096
Hunter-Lab	56.8595, -30.5543, 18.8198

Details

The XYZ color **21.9633, 32.3300, 20.1217** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.5035, 19.0643, 32.8559**, and the grayscale version is **25.3220, 26.6407, 29.0117**.

A 20% lighter version of the original color is **46.2016, 63.4266, 44.4578**, and **8.1729, 13.5529, 6.8878** is the 20% darker color. If you saturate the color by 10%, you get **19.7044, 31.2452, 16.4559**, and if you desaturate by 10%, it is **24.7195, 33.6602, 24.3877**.

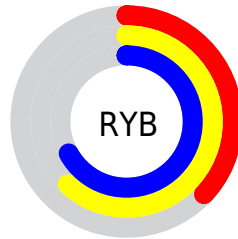
Distribution



Red (37%)

Green (67%)

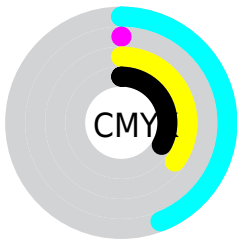
Blue (44%)



Red (37%)

Yellow (62%)

Blue (67%)

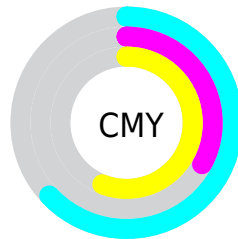


Cyan (44%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (63%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9633, 32.3300, 20.1217 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 21.9633, 32.3300, 20.1217 by changing the saturation by 10% instead.

■ 21.9633, 32.3300,
20.1217

■ 21.9633, 32.3300,
20.1217

254.9905,
312.6198, 265.1992

■ 13.9464, 21.6137,
12.2986

■ 46.1646, 63.3281,
44.4828

■ 8.1648, 13.5733,
6.8224

■ 63.0798, 84.3786,
61.8578

■ 4.2533, 7.8245,
3.2745

■ 83.6917, 109.6427,
83.2539

■ 1.8464, 3.9829,
1.2364

■ 108.3658,
139.5047, 109.0896

■ 0.5454, 1.6640,
0.0088

137.4673,
174.3490, 139.7835

■ 0.0000, 0.4002,
0.0000

171.3617,

■ 0.0000, 0.0000,

214.5600, 175.7540

0.0000

210.4143,
260.5221, 217.4197

■ 21.9633, 32.3300,
20.1217

■ 21.9633, 32.3300,
20.1217

■ 19.7044, 31.2452,
16.4559

■ 24.7195, 33.6602,
24.3877

■ 17.9101, 30.3868,
13.3612

■ 27.9982, 35.2456,
29.2770

■ 16.5476, 29.7395,
10.8094


■ 31.8257, 37.1002,
34.8141


■ 15.5786, 29.2841,
8.7690


■ 36.2259, 39.2357,
41.0213


■ 14.9576, 28.9980,
7.2049


■ 41.2212, 41.6634,
47.9202

 14.6979, 28.8796,
6.4902

 46.8329, 44.3937,
55.5312

 53.0812, 47.4366,
63.8739

 59.9852, 50.8017,
72.9672

 67.5635, 54.4980,
82.8293

Harmonies

Analogous

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



25.7108, 32.3300, 13.1567



21.9633, 32.3300, 20.1217



20.5342, 32.3300, 33.6496

Triad

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



21.9633, 32.3300, 20.1217



30.1818, 32.3300, 79.9244



42.2384, 32.3300, 22.0605

Complementary

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



21.9633, 32.3300, 20.1217



26.5035, 19.0643, 32.8559

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.



43.8379, 32.3300, 36.8011



21.9633, 32.3300, 20.1217



36.3604, 32.3300, 73.7680

Square

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



21.9633, 32.3300, 20.1217



24.8739, 32.3300, 71.2178



41.5619, 32.3300, 56.3922



37.4369, 32.3300, 13.9912

Rectangle

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



21.9633, 32.3300, 20.1217



20.9271, 32.3300, 46.0264



41.5619, 32.3300, 56.3922



43.1937, 32.3300, 26.2233

Sweetspot

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



21.9641, 32.3313, 20.1224



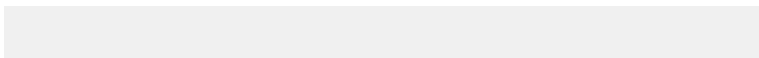
58.4038, 67.6327, 64.1078



29.9590, 36.5457, 16.3018



12.6661, 14.9087, 13.7846



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.



21.9641, 32.3313, 20.1224



35.8077, 56.7165, 29.9524



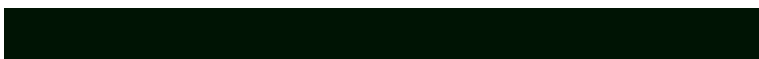
24.4008, 33.3060, 32.9537



7.4998, 8.4330, 8.3522



10.8289, 21.2503, 4.8658



0.2811, 0.5241, 0.2113

Inverse Universe

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



26.5035, 19.0643, 32.8559



45.1070, 29.4814, 55.9959



23.9111, 18.0273, 19.2041



7.7723, 7.6388, 9.1184



15.3673, 7.5556, 17.2777



0.3906, 0.1905, 0.5083

Previews

White Background



This preview shows how the XYZ color 21.9633, 32.3300, 20.1217 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 21.9633, 32.3300, 20.1217 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 21.9633, 32.3300, 20.1217

Background



This preview shows how black text looks on a background with the XYZ color 21.9633, 32.3300, 20.1217.



This preview shows how white text looks on a background with the XYZ color 21.9633, 32.3300,

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

21.9633, 32.3300, 20.1217

Protanopia

29.6158, 31.8889, 17.6910

Deuteranopia

32.4085, 31.8317, 20.9590



Tritanopia

26.9649, 32.1870, 45.3490

Trichromacy



Original Color

21.9633, 32.3300, 20.1217

Protanomaly

25.8672, 31.4333, 18.6138

Deuteranomaly

27.1530, 31.0472, 20.4812

Tritanomaly

24.8315, 32.1203, 34.5968

Monochromacy



Original Color

21.9633, 32.3300, 20.1217

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.5697, 28.3533, 25.3496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9633, 32.3300, 20.1217 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(95, 170, 111)` looks like.

```
.text, #text, p{  
    color:rgb(95, 170, 111)  
}
```

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(95, 170, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 170, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.9633, 32.3300, 20.1217 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(95, 170, 111) }
```


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

```
.border{ border-color:rgb(95, 170, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 170, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 170, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 170, 111);  
box-shadow:4px 4px 4px 4px rgb(95, 170,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9633, 32.3300, 20.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 170, 111) }
```

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

```
.background{ background-color: rgb(95, 170,  
111) }
```

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