

Converting Colors

XYZ(21.9693, 32.3519, 19.8804)

Have a look what the booklet for
XYZ(21.9693, 32.3519, 19.8804)
contains.

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Color

**XYZ(21.9085, 32.3081,
19.8332)**

Conversions

Conversions Part 1

Format	Color
Hex	5FAA6E
RGB	95, 170, 110
RGB Percent	37%, 67%, 43%
CMY	0.6274, 0.3333, 0.5686
CMYK	0.44, 0.00, 0.35, 0.33
HSL	132°, 31%, 52%
HSV	132°, 44%, 67%
XYZ	21.9085, 32.3081, 19.8332
YIQ	140.7350, -25.4400, -34.5600

Conversions

Conversions Part 2

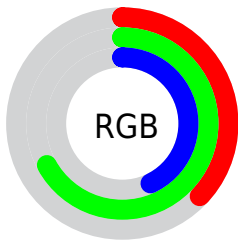
Format	Color
RYB	95, 158, 170
Decimal	6269550
CIELab	63.60, -36.52, 23.86
CIELCh	64, 43.626, 146.838
Yxy	32.3081, 0.2959, 0.4363
Android (android.graphics.Color)	4284459630 (0xFF5FAA6E)
YUV	140.7350, -15.1524, -40.1096
Hunter-Lab	56.8402, -30.6693, 19.1001

Details

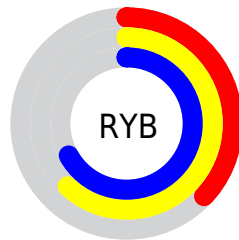
The XYZ color **21.9085, 32.3081, 19.8332** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.5872, 19.0977, 33.2965**, and the grayscale version is **25.2789, 26.5953, 28.9623**.

A 20% lighter version of the original color is **46.1124, 63.3909, 43.9877**, and **8.1452, 13.5418, 6.7420** is the 20% darker color. If you saturate the color by 10%, you get **19.6471, 31.2223, 16.1545**, and if you desaturate by 10%, it is **24.6706, 33.6407, 24.1301**.

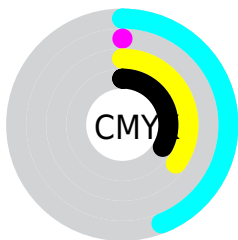
Distribution



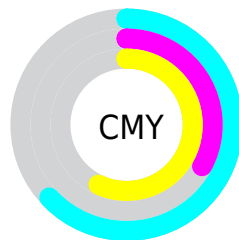
- Red (37%)
- Green (67%)
- Blue (43%)



- Red (37%)
- Yellow (62%)
- Blue (67%)



- Cyan (44%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (63%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9085, 32.3081, 19.8332 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 21.9085, 32.3081, 19.8332 by changing the saturation by 10% instead.

■ 21.9085, 32.3081,
19.8332

■ 21.9085, 32.3081,
19.8332

254.7094,
312.5204, 263.5850

■ 13.9059, 21.5969,
12.0910

■ 46.0747, 63.2938,
43.9926

■ 8.1365, 13.5610,
6.6824

■ 62.9690, 84.3371,
61.2469

■ 4.2350, 7.8160,
3.1888

■ 83.5580, 109.5932,
82.5090

■ 1.8359, 3.9774,
1.1919

■ 108.2069,
139.4466, 108.1974

■ 0.5392, 1.6609,
0.0000

137.2811,
174.2816, 138.7307

■ 0.0000, 0.3982,
0.0000

171.1461,

■ 0.0000, 0.0000,

214.4827, 174.5273

0.0000

210.1670,
260.4341, 216.0059

■ 21.9085, 32.3081,
19.8332

■ 21.9085, 32.3081,
19.8332

■ 19.6471, 31.2223,
16.1545

■ 24.6706, 33.6407,
24.1301

■ 17.8535, 30.3642,
13.0633

■ 27.9587, 35.2299,
29.0695

■ 16.4945, 29.7183,
10.5298


■ 31.7996, 37.0898,
34.6771


■ 15.5314, 29.2653,
8.5206


■ 36.2174, 39.2324,
40.9766


■ 14.9184, 28.9824,
6.9984


■ 41.2345, 41.6688,
47.9906

 14.6641, 28.8662,
6.3123

 46.8726, 44.4096,
55.7404

 53.1519, 47.4649,
64.2466

 60.0919, 50.8443,
73.5291

 67.7111, 54.5570,
83.6069

Harmonies

Analogous

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



25.7171, 32.3081, 12.9317



21.9085, 32.3081, 19.8332



20.4338, 32.3081, 33.3601

Triad

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



21.9085, 32.3081, 19.8332



30.0664, 32.3081, 80.4320



42.3908, 32.3081, 22.1016

Complementary

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



21.9085, 32.3081, 19.8332



26.5872, 19.0977, 33.2965

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.



43.9519, 32.3081, 37.0609



21.9085, 32.3081, 19.8332



36.3059, 32.3081, 74.4059

Square

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



21.9085, 32.3081, 19.8332



24.7356, 32.3081, 71.3987



41.5949, 32.3081, 56.9047



37.5715, 32.3081, 13.9045

Rectangle

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



21.9085, 32.3081, 19.8332



20.8053, 32.3081, 45.8184



41.5949, 32.3081, 56.9047



43.3395, 32.3081, 26.3274

Sweetspot

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



21.9093, 32.3094, 19.8339



58.3592, 67.6148, 63.8727



29.9591, 36.5457, 16.3018



12.6548, 14.9041, 13.7251



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.



21.9093, 32.3094, 19.8339



35.7039, 56.6750, 29.4058



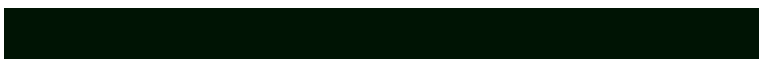
24.4008, 33.3060, 32.9536



7.4958, 8.4314, 8.3312



10.8032, 21.2401, 4.7307



0.2796, 0.5235, 0.2035

Inverse Universe

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



26.5872, 19.0977, 33.2965



45.2874, 29.5535, 56.9457



23.9111, 18.0272, 19.2041



7.7766, 7.6405, 9.1410



15.4837, 7.6022, 17.8907



0.3926, 0.1913, 0.5191

Previews

White Background



This preview shows how the XYZ color 21.9085, 32.3081, 19.8332 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 21.9085, 32.3081, 19.8332 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 21.9085, 32.3081, 19.8332

Background



This preview shows how black text looks on a background with the XYZ color 21.9085, 32.3081, 19.8332.



This preview shows how white text looks on a background with the XYZ color 21.9085, 32.3081,

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

21.9085, 32.3081, 19.8332

Protanopia

29.5653, 31.8687, 17.4250

Deuteranopia

32.3506, 31.8085, 20.6543



Tritanopia

26.9649, 32.1870, 45.3490

Trichromacy



Original Color

21.9085, 32.3081, 19.8332



Protanomaly

25.8149, 31.4123, 18.3383



Deuteranomaly

27.0964, 31.0245, 20.1830



Tritanomaly

24.7500, 32.0877, 34.1672

Monochromacy



Original Color

21.9085, 32.3081, 19.8332



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 21.9085, 32.3081, 19.8332 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(95, 170, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 170, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.9085, 32.3081, 19.8332 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, 110) }
```


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

```
.border{ border-color:rgb(95, 170, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 170, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 170, 110);  
box-shadow:4px 4px 4px 4px rgb(95, 170,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9085, 32.3081, 19.8332 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, 110) }
```

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

```
.background{ background-color: rgb(95, 170,  
110) }
```

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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