

Converting Colors

XYZ(21.7355, 33.1806, 19.9904)

Have a look what the booklet for
XYZ(21.7355, 33.1806, 19.9904)
contains.

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Color

**XYZ(21.6885, 33.0392,
19.9859)**

Conversions

Conversions Part 1

Format	Color
Hex	57AD6E
RGB	87, 173, 110
RGB Percent	34%, 68%, 43%
CMY	0.6588, 0.3216, 0.5686
CMYK	0.50, 0.00, 0.36, 0.32
HSL	136°, 34%, 51%
HSV	136°, 50%, 68%
XYZ	21.6885, 33.0392, 19.9859
YIQ	140.1040, -31.0330, -37.8250

Conversions

Conversions Part 2

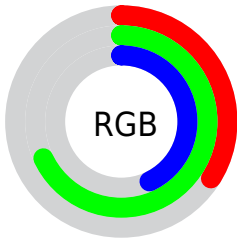
Format	Color
RYB	87, 155, 173
Decimal	5746030
CIELab	64.19, -40.12, 24.60
CIELCh	64, 47.060, 148.484
Yxy	33.0392, 0.2903, 0.4422
Android (android.graphics.Color)	4283936110 (0xFF57AD6E)
YUV	140.1040, -14.8413, -46.5722
Hunter-Lab	57.4797, -33.2372, 19.6205

Details

The XYZ color **21.6885, 33.0392, 19.9859** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.1478, 17.9032, 30.9328**, and the grayscale version is **25.0329, 26.3365, 28.6805**.

A 20% lighter version of the original color is **45.6962, 64.3980, 44.2040**, and **8.0377, 14.0167, 6.6968** is the 20% darker color. If you saturate the color by 10%, you get **19.6215, 32.0486, 16.5415**, and if you desaturate by 10%, it is **24.2430, 34.2715, 23.9698**.

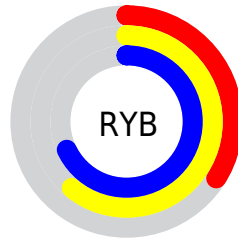
Distribution



Red (34%)

Green (68%)

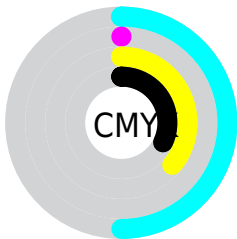
Blue (43%)



Red (34%)

Yellow (61%)

Blue (68%)

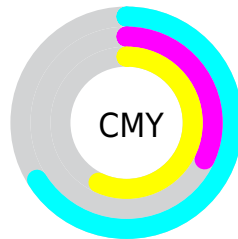


Cyan (50%)

Magenta (0%)

Yellow (36%)

Black (32%)



Cyan (66%)

Magenta (32%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6885, 33.0392, 19.9859 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 21.6885, 33.0392, 19.9859 by changing the saturation by 10% instead.

■ 21.6885, 33.0392,
19.9859

■ 21.6885, 33.0392,
19.9859

253.5783,
315.8263, 264.4405

■ 13.7435, 22.1565,
12.2008

■ 45.7133, 64.4367,
44.2522

■ 8.0230, 13.9719,
6.7564

■ 62.5238, 85.7203,
61.5705

■ 4.1616, 8.1011,
3.2341

■ 83.0203, 111.2397,
82.9036

■ 1.7940, 4.1597,
1.2154

■ 107.5679,
141.3791, 108.6701

■ 0.5140, 1.7633,
0.0000

136.5322,
176.5231, 139.2885

■ 0.0000, 0.4642,
0.0000

170.2785,

■ 0.0000, 0.0000,

217.0561, 175.1773

0.0000

209.1720,
263.3623, 216.7552

■ 21.6885, 33.0392,
19.9859

■ 21.6885, 33.0392,
19.9859

■ 19.6215, 32.0486,
16.5415

■ 24.2430, 34.2715,
23.9698

■ 18.0071, 31.2796,
13.6111

■ 27.3117, 35.7561,
28.5127

■ 16.8098, 30.7152,
11.1703


■ 30.9224, 37.5078,
33.6361


■ 15.9874, 30.3341,
9.1921


■ 35.0999, 39.5391,
39.3595


■ 15.4562, 30.0940,
7.6449


■ 39.8677, 41.8615,
45.7015

 15.4427, 30.0878,
7.6062

 45.2480, 44.4863,
52.6800

 51.2615, 47.4237,
60.3120

 57.9283, 50.6837,
68.6141

 65.2674, 54.2757,
77.6021

Harmonies

Analogous

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



25.6744, 33.0392, 12.3831



21.6885, 33.0392, 19.9859



20.2469, 33.0392, 35.0108

Triad

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



21.6885, 33.0392, 19.9859



31.0646, 33.0392, 86.6058



44.0793, 33.0392, 21.1454

Complementary

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



21.6885, 33.0392, 19.9859



26.1478, 17.9032, 30.9328

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.



46.0487, 33.0392, 36.9549



21.6885, 33.0392, 19.9859



37.9255, 33.0392, 78.8835

Square

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



21.6885, 33.0392, 19.9859



25.1638, 33.0392, 77.2542



43.6552, 33.0392, 58.7953



38.5961, 33.0392, 12.8667

Rectangle

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



21.6885, 33.0392, 19.9859



20.7413, 33.0392, 48.9217



43.6552, 33.0392, 58.7953



45.2057, 33.0392, 25.5398

Sweetspot

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



21.6893, 33.0406, 19.9866



58.5790, 68.7273, 64.6640



29.2550, 37.0672, 14.6298



12.4069, 14.7787, 13.6073



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.



21.6893, 33.0406, 19.9866



34.7074, 57.1886, 28.8697



24.6193, 34.2125, 35.4155



7.9892, 8.9732, 8.9681



11.3653, 22.1114, 5.6976



0.3390, 0.6243, 0.2789

Inverse Universe

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



26.1478, 17.9032, 30.9328



43.6199, 26.8309, 50.6783



23.3000, 16.7641, 15.9365



8.2443, 8.1110, 9.5971



15.4867, 7.6572, 15.4745



0.4519, 0.2215, 0.5416

Previews

White Background



This preview shows how the XYZ color 21.6885, 33.0392, 19.9859 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 21.6885, 33.0392, 19.9859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

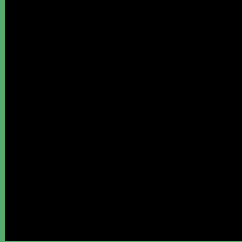
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6885, 33.0392, 19.9859

Background



This preview shows how black text looks on a background with the XYZ color 21.6885, 33.0392, 19.9859.



This preview shows how white text looks on a background with the XYZ color 21.6885, 33.0392,

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

21.6885, 33.0392, 19.9859

Protanopia

30.2681, 32.7268, 17.2920

Deuteranopia

33.0337, 32.3858, 21.0330



Tritanopia

27.0845, 33.0082, 47.0632

Trichromacy



Original Color

21.6885, 33.0392, 19.9859



Protanomaly

26.1176, 32.3495, 18.2321



Deuteranomaly

27.1269, 31.5319, 20.5761



Tritanomaly

24.6822, 32.8466, 35.1761

Monochromacy



Original Color

21.6885, 33.0392, 19.9859



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.0758, 28.1064, 24.9777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6885, 33.0392, 19.9859 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(87, 173, 110)` looks like.

```
.text, #text, p{  
    color:rgb(87, 173, 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(87, 173, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 173, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.6885, 33.0392, 19.9859 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(87, 173, 110) }
```


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

```
.border{ border-color:rgb(87, 173, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 173, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 173, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 173, 110);  
box-shadow:4px 4px 4px 4px rgb(87, 173,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6885, 33.0392, 19.9859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 173, 110) }
```

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

```
.background{ background-color: rgb(87, 173,  
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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