

Converting Colors

XYZ(19.6199, 21.6739, 11.6458)

Have a look what the booklet for
XYZ(19.6199, 21.6739, 11.6458)
contains.

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Color

**XYZ(19.6433, 21.5906,
11.7264)**

Conversions

Conversions Part 1

Format	Color
Hex	888155
RGB	136, 129, 85
RGB Percent	53%, 51%, 33%
CMY	0.4667, 0.4941, 0.6667
CMYK	0.00, 0.05, 0.37, 0.47
HSL	52°, 23%, 43%
HSV	52°, 37%, 53%
XYZ	19.6433, 21.5906, 11.7264
YIQ	126.0770, 18.2960, -12.2000

Conversions

Conversions Part 2

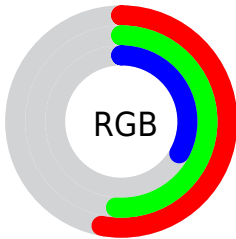
Format	Color
RYB	93, 136, 85
Decimal	8946005
CIELab	53.59, -4.34, 24.83
CIELCh	54, 25.204, 99.915
Yxy	21.5906, 0.3709, 0.4077
Android (android.graphics.Color)	4287136085 (0xFF888155)
YUV	126.0770, -20.2510, 8.7025
Hunter-Lab	46.4657, -5.8543, 17.5631

Details

The XYZ color **19.6433, 21.5906, 11.7264** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.0174, 11.3629, 24.8525**, and the grayscale version is **19.9202, 20.9576, 22.8228**.

A 20% lighter version of the original color is **42.3363, 46.1523, 29.5986**, and **6.9812, 7.8151, 3.0600** is the 20% darker color. If you saturate the color by 10%, you get **18.9108, 20.9087, 9.0681**, and if you desaturate by 10%, it is **20.4853, 22.3250, 14.9342**.

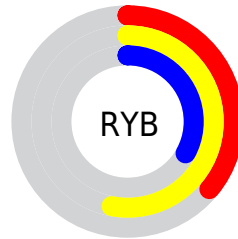
Distribution



Red (53%)

Green (51%)

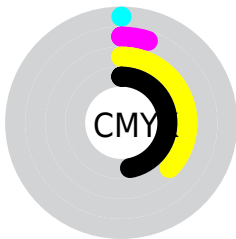
Blue (33%)



Red (36%)

Yellow (53%)

Blue (33%)

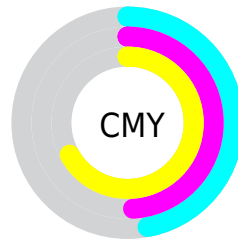


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6433, 21.5906, 11.7264 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 19.6433, 21.5906, 11.7264 by changing the saturation by 10% instead.

■ 19.6433, 21.5906,
11.7264

■ 19.6433, 21.5906,
11.7264

242.8480,
260.4008, 213.4987

■ 12.2428, 13.5564,
6.4374

■ 42.3269, 46.0684,
29.6527

■ 6.9826, 7.8128,
3.0398

■ 58.3406, 63.2808,
43.1271

■ 3.4975, 3.9754,
1.1150

■ 77.9561, 84.3214,
60.1670

■ 1.4220, 1.6598,
0.0000

■ 101.5388,
109.5745, 81.1910

■ 0.2718, 0.3974,
0.0000

■ 129.4540,
139.4246, 106.6177

■ 0.0000, 0.0000,
0.0000

162.0670,

174.2561, 136.8655

199.7432,
214.4534, 172.3530

■ 19.6433, 21.5906,
11.7264

■ 19.6433, 21.5906,
11.7264

■ 18.9108, 20.9087,
9.0681

■ 20.4853, 22.3250,
14.9342

■ 18.2801, 20.2739,
6.9263

■ 21.4406, 23.1112,
18.7189

■ 17.7452, 19.6845,
5.2670

■ 22.5149, 23.9523,
23.1081

■ 17.2987, 19.1375,
4.0511

■ 23.7130, 24.8502,
28.1269

■ 16.9319, 18.6295,
3.2338

■ 25.0396, 25.8068,
33.7991

■ 16.6279, 18.1535,
2.7253

■ 26.4988, 26.8238,
40.1472

■ 16.5546, 18.0366,
2.6089

■ 28.0947, 27.9029,
47.1927

■ 29.8314, 29.0458,
54.9562

■ 31.7125, 30.2539,
63.4573

Harmonies

Analogous

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



22.3494, 21.5906, 12.1591



19.6433, 21.5906, 11.7264



17.3777, 21.5906, 13.8780

Triad

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



19.6433, 21.5906, 11.7264



16.8038, 21.5906, 34.3534



25.7731, 21.5906, 28.9719

Complementary

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



19.6433, 21.5906, 11.7264



12.0174, 11.3629, 24.8525

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.



24.0226, 21.5906, 36.8005



19.6433, 21.5906, 11.7264



18.7956, 21.5906, 40.3480

Square

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



19.6433, 21.5906, 11.7264



15.8357, 21.5906, 26.1529



21.4249, 21.5906, 41.3302



26.0503, 21.5906, 21.0486

Rectangle

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



19.6433, 21.5906, 11.7264



16.3627, 21.5906, 16.8367



21.4249, 21.5906, 41.3302



25.3306, 21.5906, 31.7443

Sweetspot

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



19.6438, 21.5916, 11.7268



38.9446, 41.6451, 37.7032



15.3623, 12.5156, 11.8812



8.9681, 9.6047, 8.5229



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6438, 21.5916, 11.7268



33.5112, 37.0249, 16.6340



17.9356, 22.1264, 11.9201



5.3736, 5.7300, 5.3752



15.6733, 17.0809, 2.4709



0.1116, 0.1284, 0.0189

Inverse Universe

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



12.0174, 11.3629, 24.8525



18.0612, 16.3098, 43.2445



13.2690, 11.1495, 24.7454



4.8264, 4.9958, 6.3158



4.4255, 2.1213, 22.2219



0.0355, 0.0264, 0.1497

Previews

White Background



This preview shows how the XYZ color 19.6433, 21.5906, 11.7264 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6433, 21.5906, 11.7264 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 × Fail

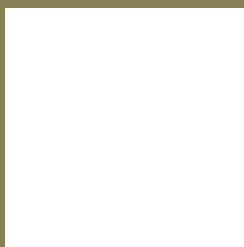
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6433, 21.5906, 11.7264

Background



This preview shows how black text looks on a background with the XYZ color 19.6433, 21.5906, 11.7264.



This preview shows how white text looks on a background with the XYZ color 19.6433, 21.5906,

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

19.6433, 21.5906, 11.7264

Protanopia

20.0063, 21.5832, 11.7059

Deuteranopia

21.7761, 21.3633, 11.7799



Tritanopia

22.3011, 21.5221, 25.1691

Trichromacy



Original Color

19.6433, 21.5906, 11.7264

Protanomaly

19.8401, 21.4975, 11.6981

Deuteranomaly

21.0460, 21.5422, 11.8529

Tritanomaly

21.1335, 21.4172, 19.5431

Monochromacy



Original Color

19.6433, 21.5906, 11.7264

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6645, 21.0723, 18.0698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6433, 21.5906, 11.7264 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(136, 129, 85)` looks like.

```
.text, #text, p{  
    color:rgb(136, 129, 85)  
}
```

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(136, 129, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 129, 85) }
```

Border

The CSS property to change the border of an element to XYZ 19.6433, 21.5906, 11.7264 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(136, 129, 85) }
```


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

```
.border{ border-color:rgb(136, 129, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 129, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 129, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 129, 85);  
box-shadow:4px 4px 4px 4px rgb(136, 129,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6433, 21.5906, 11.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 129, 85) }
```

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

```
.background{ background-color: rgb(136,  
129, 85) }
```

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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