

Converting Colors

XYZ(21.4233, 19.6793, 31.5235)

Have a look what the booklet for
XYZ(21.4233, 19.6793, 31.5235)
contains.

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Color

**XYZ(21.4233, 19.6793,
31.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	857496
RGB	133, 116, 150
RGB Percent	52%, 45%, 59%
CMY	0.4784, 0.5451, 0.4118
CMYK	0.11, 0.23, 0.00, 0.41
HSL	270°, 14%, 52%
HSV	270°, 23%, 59%
XYZ	21.4233, 19.6793, 31.5235
YIQ	124.9590, -0.7820, 14.1780

Conversions

Conversions Part 2

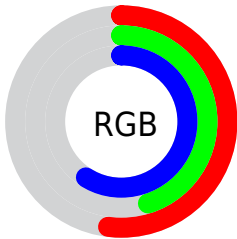
Format	Color
R_{YB}	133, 116, 150
Decimal	8746134
CIE _{Lab}	51.47, 13.46, -15.98
CIE _{LCh}	51, 20.890, 310.110
Yxy	19.6793, 0.2950, 0.2710
Android (android.graphics.Color)	4286936214 (0xFF857496)
YUV	124.9590, 12.3452, 7.0520
Hunter-Lab	44.3614, 8.5701, -11.0790

Details

The XYZ color **21.4233, 19.6793, 31.5235** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.7321, 28.0606, 20.6893**, and the grayscale version is **19.4397, 20.4521, 22.2723**.

A 20% lighter version of the original color is **45.1514, 42.8040, 63.0090**, and **7.8865, 6.8741, 12.7155** is the 20% darker color. If you saturate the color by 10%, you get **18.6899, 15.9077, 30.9399**, and if you desaturate by 10%, it is **24.5217, 24.0545, 32.2050**.

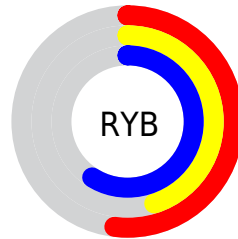
Distribution



Red (52%)

Green (45%)

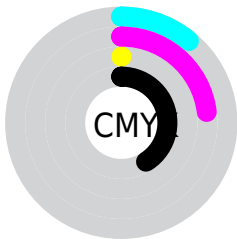
Blue (59%)



Red (52%)

Yellow (45%)

Blue (59%)

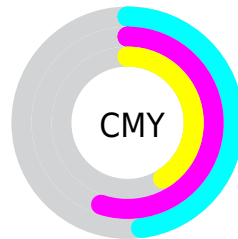


Cyan (11%)

Magenta (23%)

Yellow (0%)

Black (41%)



Cyan (48%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4233, 19.6793, 31.5235 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 21.4233, 19.6793, 31.5235 by changing the saturation by 10% instead.

■ 21.4233, 19.6793,
31.5235

■ 21.4233, 19.6793,
31.5235

252.2090,
250.1737, 323.3685

■ 13.5480, 12.1621,
20.7360

■ 45.2770, 42.8788,
63.1525

■ 7.8866, 6.8542,
12.7418

■ 61.9860, 59.3300,
84.8312

■ 4.0736, 3.3711,
7.1224

■ 82.3704, 79.5280,
110.9773

■ 1.7439, 1.3284,
3.4591

106.7954,
103.8572, 142.0093

■ 0.4835, 0.1630,
1.3336

135.6264,
132.7019, 178.3460

■ 0.0000, 0.0000,
0.0891

169.2287,

■ 0.0000, 0.0000,

166.4467, 220.4057

0.0000

207.9678,
205.4758, 268.6070

■ 21.4233, 19.6793,
31.5235

■ 21.4233, 19.6793,
31.5235

■ 18.6899, 15.9077,
30.9399

■ 24.5217, 24.0545,
32.2050

■ 16.3045, 12.7097,
30.4483

■ 27.9975, 29.0567,
32.9873

■ 14.2515, 10.0561,
30.0443

■ 31.8645, 34.7111,
33.8749

■ 12.5131, 7.9143,
29.7225

■ 36.1356, 41.0406,
34.8715

■ 11.0697, 6.2479,
29.4770

■ 40.8228, 48.0671,
35.9807

■ 9.8992, 5.0157,
29.3008

■ 45.9377, 55.8114,
37.2060

■ 8.9755, 4.1688,
29.1861

■ 51.4913, 64.2935,
38.5505

■ 8.4068, 3.6979,
29.1251

■ 57.4943, 73.5325,
40.0174

■ 63.9570, 83.5471,
41.6098

Harmonies

Analogous

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



19.4211, 19.6793, 34.9185



21.4233, 19.6793, 31.5235



22.7564, 19.6793, 25.5993

Triad

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



21.4233, 19.6793, 31.5235



20.1096, 19.6793, 12.3026



15.0106, 19.6793, 23.5183

Complementary

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



21.4233, 19.6793, 31.5235



23.7321, 28.0606, 20.6893

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.



15.1647, 19.6793, 17.7354



21.4233, 19.6793, 31.5235



18.0059, 19.6793, 11.9541

Square

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



21.4233, 19.6793, 31.5235



21.9596, 19.6793, 14.8178



16.2262, 19.6793, 13.7562



15.7883, 19.6793, 29.7577

Rectangle

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



21.4233, 19.6793, 31.5235



23.0315, 19.6793, 21.4052



16.2262, 19.6793, 13.7562



14.9567, 19.6793, 21.4497

Sweetspot

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



21.4239, 19.6801, 31.5239



46.5814, 47.1901, 57.5747



21.1735, 22.8463, 32.1483



10.2543, 10.3590, 12.7439



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.4239, 19.6801, 31.5239



35.3813, 31.3609, 55.1097



24.2246, 21.1239, 31.6550



5.7592, 5.7668, 7.2793



7.0094, 3.0860, 24.1573



0.1197, 0.0553, 0.2973

Inverse Universe

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



23.0573, 20.6690, 24.9652



38.8259, 33.4464, 41.2782



21.3374, 26.8261, 20.5772



5.9145, 5.8609, 6.6558



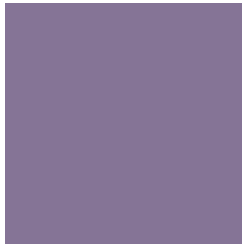
11.5012, 5.8055, 6.1202



0.1556, 0.0770, 0.1531

Previews

White Background



This preview shows how the XYZ color 21.4233, 19.6793, 31.5235 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 21.4233, 19.6793, 31.5235 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 21.4233, 19.6793, 31.5235

Background



This preview shows how black text looks on a background with the XYZ color 21.4233, 19.6793, 31.5235.



This preview shows how white text looks on a background with the XYZ color 21.4233, 19.6793,

31.5235.

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

21.4233, 19.6793, 31.5235

Protanopia

19.7403, 19.6527, 33.3248

Deuteranopia

20.0264, 19.6678, 31.1745



Tritanopia

19.8848, 19.7637, 23.5356

Trichromacy



Original Color

21.4233, 19.6793, 31.5235

Protanomaly

20.3726, 19.6311, 32.8524

Deuteranomaly

20.4791, 19.7236, 31.1614

Tritanomaly

20.4723, 19.8251, 26.4145

Monochromacy



Original Color

21.4233, 19.6793, 31.5235

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.1647, 20.2295, 25.3961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4233, 19.6793, 31.5235 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(133, 116, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 116, 150)  
}
```

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(133, 116, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 116, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.4233, 19.6793, 31.5235 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(133, 116, 150) }
```


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

```
.border{ border-color:rgb(133, 116, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 116, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 116, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 116, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 116,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4233, 19.6793, 31.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 116, 150) }
```

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

```
.background{ background-color: rgb(133,  
116, 150) }
```

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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