

Converting Colors

XYZ(19.8331, 21.4295, 33.2278)

Have a look what the booklet for
XYZ(19.8331, 21.4295, 33.2278)
contains.

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Color

**XYZ(19.7958, 21.3910,
33.2225)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 6B8299 |
| RGB | 107, 130, 153 |
| RGB Percent | 42%, 51%, 60% |
| CMY | 0.5804, 0.4902, 0.4000 |
| CMYK | 0.30, 0.15, 0.00, 0.40 |
| HSL | 210°, 18%, 51% |
| HSV | 210°, 30%, 60% |
| XYZ | 19.7958, 21.3910, 33.2225 |
| YIQ | 125.7450, -21.0910, 2.2770 |

Conversions

Conversions Part 2

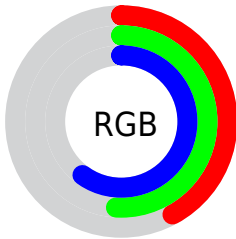
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 107, 122, 153 |
| Decimal | 7045785 |
| CIE _{Lab} | 53.37, -2.65, -15.03 |
| CIE _{LCh} | 53, 15.264, 260.003 |
| Yxy | 21.3910, 0.2660, 0.2875 |
| Android (android.graphics.Color) | 4285235865 (0xFF6B8299) |
| YUV | 125.7450, 13.4367, -16.4394 |
| Hunter-Lab | 46.2504, -4.5378, -10.2138 |

Details

The XYZ color **19.7958, 21.3910, 33.2225** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.7736, 23.7992, 17.2512**, and the grayscale version is **19.7062, 20.7324, 22.5776**.

A 20% lighter version of the original color is **42.4940, 45.7429, 65.6211**, and **7.0856, 7.7437, 13.6916** is the 20% darker color. If you saturate the color by 10%, you get **17.1367, 18.5659, 32.8177**, and if you desaturate by 10%, it is **22.8574, 24.5369, 33.6687**.

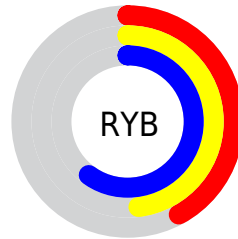
Distribution



Red (42%)

Green (51%)

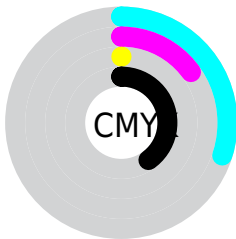
Blue (60%)



Red (42%)

Yellow (48%)

Blue (60%)

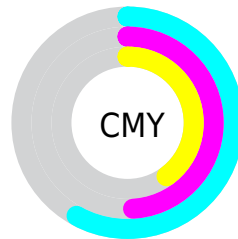


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (40%)



Cyan (58%)

Magenta (49%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7958, 21.3910, 33.2225 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 19.7958, 21.3910, 33.2225 by changing the saturation by 10% instead.

■ 19.7958, 21.3910,
33.2225

■ 19.7958, 21.3910,
33.2225

243.6622,
259.3492, 331.3138

■ 12.3541, 13.4101,
22.0244

■ 42.5811, 45.7374,
65.8428

■ 7.0592, 7.7116,
13.6764

■ 58.6555, 62.8716,
88.1020

■ 3.5458, 3.9109,
7.7598

■ 78.3380, 83.8258,
114.8855

■ 1.4486, 1.6239,
3.8560

■ 101.9942,
108.9843, 146.6116

■ 0.2904, 0.3736,
1.5467

129.9894,
138.7315, 183.6990

■ 0.0000, 0.0000,
0.2524

162.6889,

■ 0.0000, 0.0000,

173.4518, 226.5661

0.0000

200.4580,
213.5295, 275.6315

■ 19.7958, 21.3910,
33.2225

■ 19.7958, 21.3910,
33.2225

■ 17.1367, 18.5659,
32.8177

■ 22.8574, 24.5369,
33.6687

■ 14.8593, 16.0469,
32.4515

■ 26.3369, 28.0125,
34.1562

■ 12.9439, 13.8219,
32.1230

■ 30.2515, 31.8293,
34.6866

■ 11.3679, 11.8767,
31.8306

■ 34.6166, 35.9975,
35.2611

■ 10.1060, 10.1955,
31.5726

■ 39.4469, 40.5268,
35.8807

■ 9.1286, 8.7602,
31.3471

■ 44.7564, 45.4266,
36.5466

■ 8.3692, 7.5387,
31.1513

■ 50.5584, 50.7057,
37.2598

■ 56.8659, 56.3729,
38.0212

■ 63.6910, 62.4363,
38.8319

Harmonies

Analogous

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



18.3953, 21.3910, 30.8118



19.7958, 21.3910, 33.2225



21.4153, 21.3910, 32.7150

Triad

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



19.7958, 21.3910, 33.2225



23.3998, 21.3910, 20.3722



18.0384, 21.3910, 18.0172

Complementary

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



19.7958, 21.3910, 33.2225



23.7736, 23.7992, 17.2512

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.



19.2849, 21.3910, 15.8768



19.7958, 21.3910, 33.2225



22.3991, 21.3910, 17.1062

Square

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



19.7958, 21.3910, 33.2225



23.5545, 21.3910, 24.8736



20.8768, 21.3910, 15.5671



17.4168, 21.3910, 21.7773

Rectangle

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



19.7958, 21.3910, 33.2225



22.3994, 21.3910, 30.8110



20.8768, 21.3910, 15.5671



18.3950, 21.3910, 17.1067

Sweetspot

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



19.7965, 21.3918, 33.2230



47.7557, 50.7478, 61.2503



21.4331, 27.4999, 25.0291



10.3477, 11.0111, 13.4975



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.7965, 21.3918, 33.2230



32.2087, 34.8836, 59.0076



17.1517, 16.1022, 32.3414



6.1268, 6.5110, 7.8628



6.9503, 6.2973, 25.7569



0.1402, 0.1668, 0.3972

Inverse Universe

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



22.4244, 18.9000, 23.5862



37.7742, 30.0317, 38.5032



27.0572, 30.3665, 18.3457



6.3311, 6.2716, 7.1239



11.9670, 6.0410, 6.3511



0.1972, 0.0976, 0.1915

Previews

White Background



This preview shows how the XYZ color 19.7958, 21.3910, 33.2225 looks on a white background.

Color Contrast Check

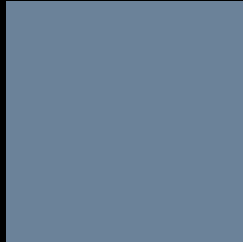
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7958, 21.3910, 33.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

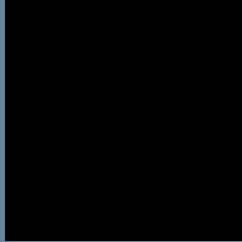
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

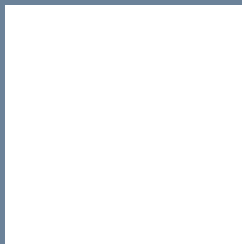
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7958, 21.3910, 33.2225

Background



This preview shows how black text looks on a background with the XYZ color 19.7958, 21.3910, 33.2225.



This preview shows how white text looks on a background with the XYZ color 19.7958, 21.3910,

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

19.7958, 21.3910, 33.2225

Protanopia

20.9919, 21.2613, 31.8516

Deuteranopia

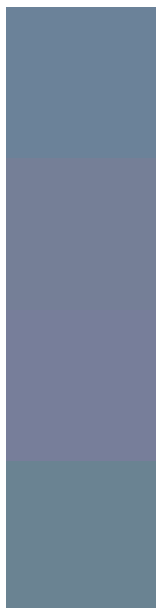
21.6446, 21.1840, 33.5200



Tritanopia

18.9594, 21.4588, 28.7339

Trichromacy



Original Color

19.7958, 21.3910, 33.2225

Protanomaly

20.5114, 21.1950, 32.2881

Deuteranomaly

20.9013, 21.1767, 33.5578

Tritanomaly

19.2485, 21.3721, 30.3049

Monochromacy



Original Color

19.7958, 21.3910, 33.2225

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6411, 20.8783, 26.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7958, 21.3910, 33.2225 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(107, 130, 153)` looks like.

```
.text, #text, p{  
    color:rgb(107, 130, 153)  
}
```

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(107, 130, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 130, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.7958, 21.3910, 33.2225 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(107, 130, 153) }
```


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

```
.border{ border-color:rgb(107, 130, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 130, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 130, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 130, 153);  
box-shadow:4px 4px 4px 4px rgb(107, 130,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7958, 21.3910, 33.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 130, 153) }
```

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

```
.background{ background-color: rgb(107,  
130, 153) }
```

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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