

Converting Colors

XYZ(21.4550, 21.7940, 33.2187)

Have a look what the booklet for
XYZ(21.4550, 21.7940, 33.2187)
contains.

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Color

**XYZ(21.4950, 21.8758,
33.2265)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8099
RGB	122, 128, 153
RGB Percent	48%, 50%, 60%
CMY	0.5216, 0.4980, 0.4000
CMYK	0.20, 0.16, 0.00, 0.40
HSL	228°, 13%, 54%
HSV	228°, 20%, 60%
XYZ	21.4950, 21.8758, 33.2265
YIQ	129.0560, -11.6010, 6.5030

Conversions

Conversions Part 2

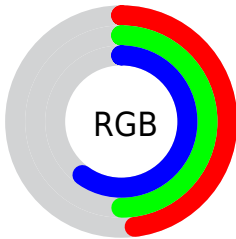
Format	Color
R_{YB}	122, 127, 153
Decimal	8028313
CIE _{Lab}	53.89, 3.36, -14.14
CIE _{LCh}	54, 14.534, 283.352
Yxy	21.8758, 0.2806, 0.2856
Android (android.graphics.Color)	4286218393 (0xFF7A8099)
YUV	129.0560, 11.8044, -6.1881
Hunter-Lab	46.7716, 0.1837, -9.3795

Details

The XYZ color **21.4950, 21.8758, 33.2265** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.0837, 29.0450, 22.5918**, and the grayscale version is **20.8493, 21.9350, 23.8873**.

A 20% lighter version of the original color is **45.4656, 46.6667, 65.6428**, and **7.9419, 7.9677, 13.6897** is the 20% darker color. If you saturate the color by 10%, you get **17.9842, 17.8208, 32.6292**, and if you desaturate by 10%, it is **25.5439, 26.4998, 33.9060**.

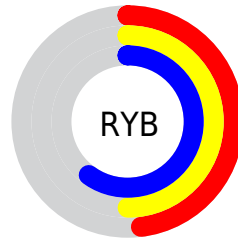
Distribution



Red (48%)

Green (50%)

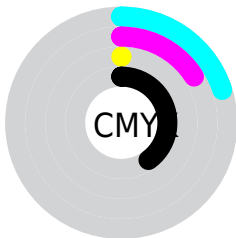
Blue (60%)



Red (48%)

Yellow (50%)

Blue (60%)

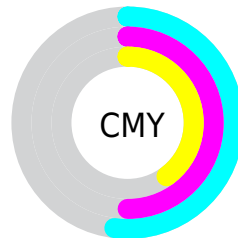


Cyan (20%)

Magenta (16%)

Yellow (0%)

Black (40%)



Cyan (52%)

Magenta (50%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4950, 21.8758, 33.2265 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 21.4950, 21.8758, 33.2265 by changing the saturation by 10% instead.

■ 21.4950, 21.8758,
33.2265

■ 21.4950, 21.8758,
33.2265

252.5798,
261.8970, 331.3324

■ 13.6008, 13.7657,
22.0275

■ 45.3950, 46.5406,
65.8491

■ 7.9234, 7.9579,
13.6786

■ 62.1316, 63.8641,
88.1097

■ 4.0974, 4.0680,
7.7613

■ 82.5463, 85.0275,
114.8946

■ 1.7574, 1.7117,
3.8570

107.0045,
110.4152, 146.6224

■ 0.4918, 0.4312,
1.5472

135.8716,
140.4116, 183.7115

■ 0.0000, 0.0000,
0.2527

169.5130,

■ 0.0000, 0.0000,

175.4011, 226.5805

0.0000

208.2939,
215.7681, 275.6479

■ 21.4950, 21.8758,
33.2265

■ 21.4950, 21.8758,
33.2265

■ 17.9842, 17.8208,
32.6292

■ 25.5439, 26.4998,
33.9060

■ 14.9867, 14.3100,
32.1095

■ 30.1506, 31.7112,
34.6691

■ 12.4784, 11.3207,
31.6647

■ 35.3358, 37.5307,
35.5191

■ 10.4329, 8.8273,
31.2913

■ 41.1190, 43.9772,
36.4586

■ 8.8207, 6.8021,
30.9854

■ 47.5185, 51.0687,
37.4901

■ 7.6090, 5.2148,
30.7428

■ 54.5520, 58.8228,
38.6160

■ 6.7603, 4.0308,
30.5590

■ 62.2363, 67.2560,
39.8388

■ 6.2045, 3.2092,
30.4297

■ 70.5876, 76.3845,
41.1606

■ 77.8703, 85.3209,
42.5017

Harmonies

Analogous

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



19.9421, 21.8758, 33.0666



21.4950, 21.8758, 33.2265



22.9272, 21.8758, 30.6512

Triad

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



21.4950, 21.8758, 33.2265



23.0580, 21.8758, 18.3792



18.0405, 21.8758, 21.4344

Complementary

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



21.4950, 21.8758, 33.2265



27.0837, 29.0450, 22.5918

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.



18.7942, 21.8758, 18.0860



21.4950, 21.8758, 33.2265



21.6663, 21.8758, 16.4796

Square

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



21.4950, 21.8758, 33.2265



23.8597, 21.8758, 21.8837



20.1051, 21.8758, 16.3794



17.9997, 21.8758, 25.8652

Rectangle

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



21.4950, 21.8758, 33.2265



23.5995, 21.8758, 27.8971



20.1051, 21.8758, 16.3794



18.2171, 21.8758, 20.1591

Sweetspot

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



21.4957, 21.8767, 33.2270



49.0394, 51.1935, 61.2687



24.6685, 29.0208, 31.8234



10.7244, 11.1863, 13.5114



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.



21.4957, 21.8767, 33.2270



35.7312, 35.9960, 59.0367



22.1165, 21.0689, 33.0384



5.9765, 6.2103, 7.8127



5.1474, 2.6916, 25.1559



0.0978, 0.0820, 0.3830

Inverse Universe

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



23.9933, 22.2505, 23.4532



41.0003, 36.8667, 38.3986



26.3538, 30.0903, 22.8320



6.2552, 6.2413, 6.7243



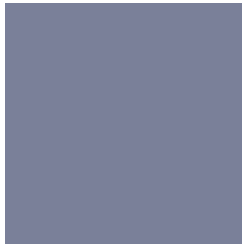
11.0570, 5.6770, 1.5590



0.1758, 0.0891, 0.0788

Previews

White Background



This preview shows how the XYZ color 21.4950, 21.8758, 33.2265 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 21.4950, 21.8758, 33.2265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

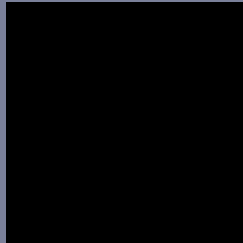
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4950, 21.8758, 33.2265

Background



This preview shows how black text looks on a background with the XYZ color 21.4950, 21.8758, 33.2265.



This preview shows how white text looks on a background with the XYZ color 21.4950, 21.8758,

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

21.4950, 21.8758, 33.2265

Protanopia

21.7811, 22.0233, 33.2399

Deuteranopia

22.2639, 21.8887, 33.1885



Tritanopia

20.4620, 21.8518, 27.9503

Trichromacy



Original Color

21.4950, 21.8758, 33.2265

Protanomaly

21.6373, 21.9492, 33.2332

Deuteranomaly

21.9433, 21.9143, 33.2103

Tritanomaly

20.8462, 21.8098, 29.8991

Monochromacy



Original Color

21.4950, 21.8758, 33.2265

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0419, 21.9711, 27.1766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4950, 21.8758, 33.2265 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(122, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(122, 128, 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(122, 128, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 128, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.4950, 21.8758, 33.2265 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(122, 128, 153) }
```


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

```
.border{ border-color:rgb(122, 128, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 128, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(122, 128,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4950, 21.8758, 33.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 128, 153) }
```

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

```
.background{ background-color: rgb(122,  
128, 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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