

Converting Colors

XYZ(20.9933, 22.1263, 24.6379)

Have a look what the booklet for
XYZ(20.9933, 22.1263, 24.6379)
contains.

XYZ(20.9815, 22.1932, 24.6506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9815, 22.1932,
24.6506)**

Conversions

Conversions Part 1

Format	Color
Hex	808283
RGB	128, 130, 131
RGB Percent	50%, 51%, 51%
CMY	0.4980, 0.4902, 0.4863
CMYK	0.02, 0.01, 0.00, 0.49
HSL	200°, 1%, 51%
HSV	200°, 2%, 51%
XYZ	20.9815, 22.1932, 24.6506
YIQ	129.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

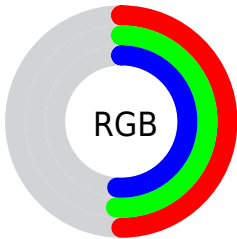
Format	Color
R_{YB}	128, 129, 131
Decimal	8422019
CIE Lab	54.23, -0.54, -0.81
CIE LCh	54, 0.970, 236.241
Yxy	22.1932, 0.3093, 0.3272
Android (android.graphics.Color)	4286612099 (0xFF808283)
YUV	129.5160, 0.7316, -1.3295
Hunter-Lab	47.1097, -2.9423, 1.9527

Details

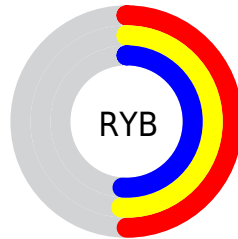
The XYZ color **20.9815, 22.1932, 24.6506** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1067, 22.0841, 23.5727**, and the grayscale version is **21.0458, 22.1418, 24.1125**.

A 20% lighter version of the original color is **44.6413, 47.1514, 52.0957**, and **7.6899, 8.1563, 9.1517** is the 20% darker color. If you saturate the color by 10%, you get **18.5698, 20.1084, 24.3756**, and if you desaturate by 10%, it is **23.6735, 24.4602, 24.9466**.

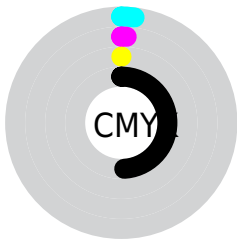
Distribution



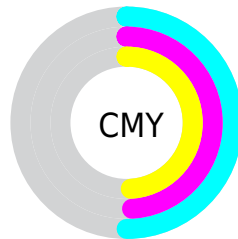
- Red (50%)
- Green (51%)
- Blue (51%)



- Red (50%)
- Yellow (51%)
- Blue (51%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



- Cyan (50%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9815, 22.1932, 24.6506 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 20.9815, 22.1932, 24.6506 by changing the saturation by 10% instead.

■ 20.9815, 22.1932,
24.6506

■ 20.9815, 22.1932,
24.6506

249.9137,
263.5536, 289.4852

■ 13.2229, 13.9989,
15.6003

■ 44.5483, 47.0651,
52.0469

■ 7.6602, 8.1199,
9.0905

■ 61.0871, 64.5115,
71.2300

■ 3.9283, 4.1718,
4.7026

■ 81.2833, 85.8108,
94.6277

■ 1.6616, 1.7701,
2.0182

105.5024,
111.3473, 122.6586

■ 0.4321, 0.4684,
0.5664

134.1096,
141.5054, 155.7413

■ 0.0000, 0.0000,
0.0000

167.4703,

176.6696, 194.2942

205.9499,
217.2242, 238.7360

■ 20.9815, 22.1932,
24.6506

■ 20.9815, 22.1932,
24.6506

■ 18.5698, 20.1084,
24.3756

■ 23.6735, 24.4602,
24.9466

■ 16.4264, 18.1972,
24.1197

■ 26.6532, 26.9118,
25.2628

■ 14.5415, 16.4549,
23.8827

■ 29.9304, 29.5540,
25.6001

■ 12.9037, 14.8749,
23.6641

■ 33.5135, 32.3917,
25.9589

■ 11.5008, 13.4507,
23.4632

■ 37.4108, 35.4295,
26.3399

■ 10.3194, 12.1749,
23.2792

■ 41.6303, 38.6718,
26.7433

■ 9.3449, 11.0392,
23.1113

■ 46.1795, 42.1231,
27.1697

■ 8.5605, 10.0347,
22.9588

■ 51.0657, 45.7876,
27.6195

■ 7.9467, 9.1508,
22.8205

■ 56.2961, 49.6691,
28.0930

Harmonies

Analogous

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



20.9126, 22.1932, 24.4223



20.9815, 22.1932, 24.6506



21.0807, 22.1932, 24.7487

Triad

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



20.9815, 22.1932, 24.6506



21.2969, 22.1932, 24.2027



21.0045, 22.1932, 23.6475

Complementary

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



20.9815, 22.1932, 24.6506



21.1067, 22.0841, 23.5727

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.



21.1073, 22.1932, 23.5898



20.9815, 22.1932, 24.6506



21.2764, 22.1932, 23.9088

Square

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



20.9815, 22.1932, 24.6506



21.2630, 22.1932, 24.4887



21.2068, 22.1932, 23.6851



20.9259, 22.1932, 23.8434

Rectangle

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



20.9815, 22.1932, 24.6506



21.1507, 22.1932, 24.7264



21.2068, 22.1932, 23.6851



21.0373, 22.1932, 23.6114

Sweetspot

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



20.9821, 22.1941, 24.6511



38.1566, 40.2405, 44.2093



20.9779, 22.4058, 23.9709



8.8912, 9.3752, 10.2937



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.9821, 22.1941, 24.6511



37.2196, 39.4419, 44.1045



20.7903, 21.8105, 24.5871



4.9982, 5.3039, 5.9611



7.4246, 8.3971, 22.3662



0.0324, 0.0425, 0.0797

Inverse Universe

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



21.1090, 21.8758, 24.2301



37.5232, 38.6835, 43.0967



21.2993, 22.4694, 23.6369



5.0469, 5.1824, 5.7991



10.9257, 5.4346, 9.4471



0.0412, 0.0202, 0.0506

Previews

White Background



This preview shows how the XYZ color 20.9815, 22.1932, 24.6506 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 20.9815, 22.1932, 24.6506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

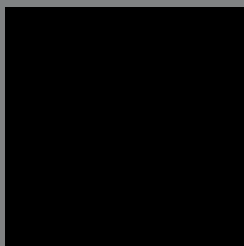
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

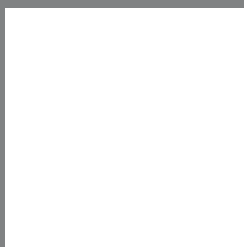
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9815, 22.1932, 24.6506

Background



This preview shows how black text looks on a background with the XYZ color 20.9815, 22.1932, 24.6506.



This preview shows how white text looks on a background with the XYZ color 20.9815, 22.1932, 24.6506.

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

20.9815, 22.1932, 24.6506

Protanopia

21.3952, 22.2178, 24.2799

Deuteranopia

22.6102, 22.2504, 24.9329



Tritanopia

21.5637, 22.2317, 27.5807

Trichromacy

**Original Color**

20.9815, 22.1932, 24.6506

Protanomaly

21.2396, 22.1375, 24.2726

Deuteranomaly

21.9076, 22.0789, 24.9368

Tritanomaly

21.3475, 22.1452, 26.4419

Monochromacy

**Original Color**

20.9815, 22.1932, 24.6506

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0652, 22.2441, 24.3024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9815, 22.1932, 24.6506 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(128, 130, 131)` looks like.

```
.text, #text, p{  
    color:rgb(128, 130, 131)  
}
```

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(128, 130, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 130, 131) }
```

Border

The CSS property to change the border of an element to XYZ 20.9815, 22.1932, 24.6506 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(128, 130, 131) }
```


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

```
.border{ border-color:rgb(128, 130, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 130, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 130, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 130, 131);  
box-shadow:4px 4px 4px 4px rgb(128, 130,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9815, 22.1932, 24.6506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 130, 131) }
```

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

```
.background{ background-color: rgb(128,  
130, 131) }
```

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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