

Converting Colors

XYZ(21.2913, 22.2035, 23.8215)

Have a look what the booklet for
XYZ(21.2913, 22.2035, 23.8215)
contains.

XYZ(21.3284, 22.1910, 23.9280)	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(21.3284, 22.1910,
23.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	848181
RGB	132, 129, 129
RGB Percent	52%, 51%, 51%
CMY	0.4823, 0.4941, 0.4941
CMYK	0.00, 0.02, 0.02, 0.48
HSL	0°, 1%, 51%
HSV	0°, 2%, 52%
XYZ	21.3284, 22.1910, 23.9280
YIQ	129.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

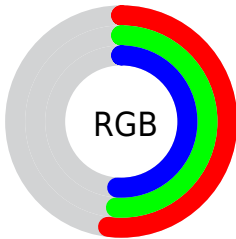
Format	Color
RYB	132, 129, 129
Decimal	8683905
CIELab	54.23, 1.13, 0.39
CIELCh	54, 1.194, 19.198
Yxy	22.1910, 0.3162, 0.3290
Android (android.graphics.Color)	4286873985 (0xFF848181)
YUV	129.8970, -0.4422, 1.8443
Hunter-Lab	47.1073, -1.6198, 2.8590

Details

The XYZ color **21.3284, 22.1910, 23.9280** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.4693, 22.8353, 25.1062**, and the grayscale version is **21.1833, 22.2864, 24.2699**.

A 20% lighter version of the original color is **45.1790, 47.1476, 50.9752**, and **7.8839, 8.1555, 8.7481** is the 20% darker color. If you saturate the color by 10%, you get **18.8806, 18.6098, 19.0592**, and if you desaturate by 10%, it is **24.1151, 26.2681, 29.4696**.

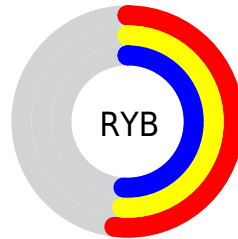
Distribution



Red (52%)

Green (51%)

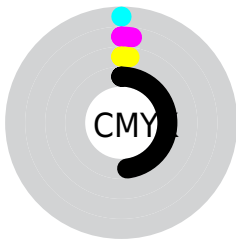
Blue (51%)



Red (52%)

Yellow (51%)

Blue (51%)

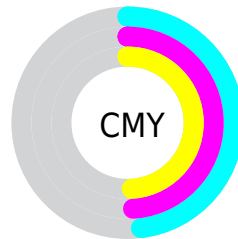


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (48%)



Cyan (48%)

Magenta (49%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3284, 22.1910, 23.9280 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 21.3284, 22.1910, 23.9280 by changing the saturation by 10% instead.

■ 21.3284, 22.1910,
23.9280

■ 21.3284, 22.1910,
23.9280

251.7175,
263.5421, 285.7311

■ 13.4781, 13.9973,
15.0685

■ 45.1206, 47.0615,
50.8550

■ 7.8378, 8.1188,
8.7203

■ 61.7932, 64.5071,
69.7597

■ 4.0423, 4.1711,
4.4649

■ 82.1373, 85.8054,
92.8498

■ 1.7261, 1.7697,
1.8837

106.5183,
111.3409, 120.5439

■ 0.4725, 0.4682,
0.4823

135.3014,
141.4979, 153.2605

■ 0.0000, 0.0000,
0.0000

168.8521,

176.6608, 191.4182

207.5356,
217.2141, 235.4356

■ 21.3284, 22.1910,
23.9280

■ 21.3284, 22.1910,
23.9280

■ 18.8806, 18.6098,
19.0592

■ 24.1151, 26.2681,
29.4696

■ 16.7570, 15.5027,
14.8363

■ 27.2511, 30.8558,
35.7067

■ 14.9445, 12.8509,
11.2324

■ 30.7483, 35.9721,
42.6628

■ 13.4287, 10.6329,
8.2187

■ 34.6179, 41.6331,
50.3597

■ 12.1936, 8.8256,
5.7635

■ 38.8705, 47.8541,
58.8186

■ 11.2221, 7.4039,
3.8327

■ 43.5160, 54.6500,
68.0594

■ 10.4951, 6.3397,
2.3881

■ 48.5643, 62.0350,
78.1017

■ 9.9907, 5.6014,
1.3864

■ 54.0247, 70.0228,
88.9641

■ 9.6835, 5.1515,
0.7769

■ 59.9065, 78.6269,
100.6647

Harmonies

Analogous

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



21.3379, 22.1910, 24.2964



21.3284, 22.1910, 23.9280



21.2553, 22.1910, 23.6253

Triad

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



21.3284, 22.1910, 23.9280



20.9036, 22.1910, 23.6983



21.0452, 22.1910, 24.8710

Complementary

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



21.3284, 22.1910, 23.9280



21.4693, 22.8353, 25.1062

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.



20.9293, 22.1910, 24.7072



21.3284, 22.1910, 23.9280



20.8477, 22.1910, 24.0285

Square

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



21.3284, 22.1910, 23.9280



21.0099, 22.1910, 23.4936



20.8571, 22.1910, 24.3980



21.1740, 22.1910, 24.8434

Rectangle

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



21.3284, 22.1910, 23.9280



21.1806, 22.1910, 23.5003



20.8571, 22.1910, 24.3980



21.0034, 22.1910, 24.8364

Sweetspot

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



21.3290, 22.1920, 23.9285



38.1512, 39.9401, 43.3042



21.5311, 22.2723, 24.9943



8.8900, 9.3101, 10.0973



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.



21.3290, 22.1920, 23.9285



37.2065, 38.5580, 41.4255



21.5278, 22.5894, 23.9947



4.9962, 5.1623, 5.5312



9.2147, 4.7520, 0.4316



0.0319, 0.0165, 0.0015

Inverse Universe

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



21.4693, 22.8353, 25.1062



37.5384, 40.0794, 44.2108



21.2677, 22.4320, 25.0390



5.0494, 5.4065, 5.9782



12.0081, 17.5641, 23.8940



0.0416, 0.0609, 0.0828

Previews

White Background



This preview shows how the XYZ color 21.3284, 22.1910, 23.9280 looks on a white background.

Color Contrast Check

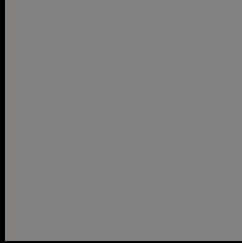
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3284, 22.1910, 23.9280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

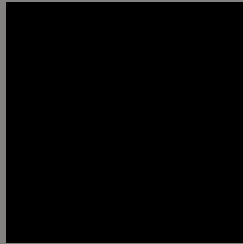
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3284, 22.1910, 23.9280

Background



This preview shows how black text looks on a background with the XYZ color 21.3284, 22.1910, 23.9280.



This preview shows how white text looks on a background with the XYZ color 21.3284, 22.1910,

23.9280.

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

21.3284, 22.1910, 23.9280

Protanopia

21.3284, 22.1910, 23.9280

Deuteranopia

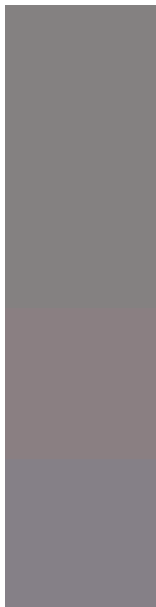
22.6454, 22.2842, 24.2268



Tritanopia

21.9795, 22.2599, 27.1829

Trichromacy



Original Color

21.3284, 22.1910, 23.9280

Protanomaly

21.3284, 22.1910, 23.9280

Deuteranomaly

22.0999, 22.1937, 24.2381

Tritanomaly

21.7652, 22.1742, 26.0546

Monochromacy



Original Color

21.3284, 22.1910, 23.9280

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3720, 22.4023, 24.3167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3284, 22.1910, 23.9280 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(132, 129, 129)` looks like.

```
.text, #text, p{  
    color:rgb(132, 129, 129)  
}
```

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(132, 129, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 129, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.3284, 22.1910, 23.9280 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(132, 129, 129) }
```


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

```
.border{ border-color:rgb(132, 129, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 129, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 129, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 129, 129);  
box-shadow:4px 4px 4px 4px rgb(132, 129,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3284, 22.1910, 23.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 129, 129) }
```

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

```
.background{ background-color: rgb(132,  
129, 129) }
```

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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