

Converting Colors

XYZ(20.7339, 22.0968, 23.7028)

Have a look what the booklet for
XYZ(20.7339, 22.0968, 23.7028)
contains.

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Color

**XYZ(20.7810, 22.1130,
23.5950)**

Conversions

Conversions Part 1

Format	Color
Hex	808280
RGB	128, 130, 128
RGB Percent	50%, 51%, 50%
CMY	0.4980, 0.4902, 0.4980
CMYK	0.02, 0.00, 0.02, 0.49
HSL	120°, 1%, 51%
HSV	120°, 2%, 51%
XYZ	20.7810, 22.1130, 23.5950
YIQ	129.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

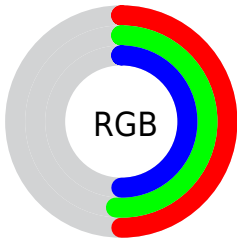
Format	Color
R_{YB}	128, 130, 130
Decimal	8422016
CIE _{Lab}	54.15, -1.14, 0.81
CIE _{LCh}	54, 1.400, 144.494
Yxy	22.1130, 0.3125, 0.3326
Android (android.graphics.Color)	4286612096 (0xFF808280)
YUV	129.1740, -0.5788, -1.0296
Hunter-Lab	47.0245, -3.4103, 3.1678

Details

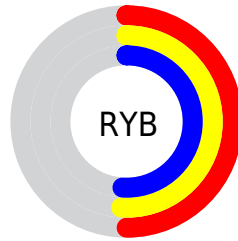
The XYZ color **20.7810, 22.1130, 23.5950** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.9552, 21.7964, 24.2229**, and the grayscale version is **20.9299, 22.0198, 23.9796**.

A 20% lighter version of the original color is **44.3300, 47.0269, 50.4567**, and **7.5782, 8.1116, 8.5634** is the 20% darker color. If you saturate the color by 10%, you get **18.1479, 20.8489, 19.2877**, and if you desaturate by 10%, it is **23.7755, 23.5521, 28.4925**.

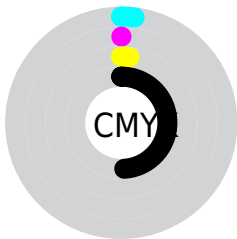
Distribution



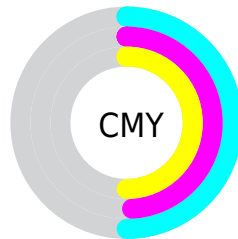
- Red (50%)
- Green (51%)
- Blue (50%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7810, 22.1130, 23.5950 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 20.7810, 22.1130, 23.5950 by changing the saturation by 10% instead.

■ 20.7810, 22.1130,
23.5950

■ 20.7810, 22.1130,
23.5950

248.8661,
263.1358, 283.9868

■ 13.0756, 13.9400,
14.8240

■ 44.2168, 46.9327,
50.3040

■ 7.5580, 8.0789,
8.5507

■ 60.6779, 64.3481,
69.0791

■ 3.8628, 4.1455,
4.3565

■ 80.7882, 85.6131,
92.0261

■ 1.6248, 1.7553,
1.8229

104.9131,
111.1121, 119.5634

■ 0.4085, 0.4591,
0.4430

133.4180,
141.2295, 152.1095

■ 0.0000, 0.0000,
0.0000

166.6683,

176.3497, 190.0831

205.0292,
216.8570, 233.9027

■ 20.7810, 22.1130,
23.5950

■ 20.7810, 22.1130,
23.5950

■ 18.1479, 20.8489,
19.2877

■ 23.7755, 23.5521,
28.4925

■ 15.8609, 19.7503,
15.5469

■ 27.1426, 25.1694,
33.9997

■ 13.9061, 18.8113,
12.3495

■ 30.8949, 26.9719,
40.1372

■ 12.2681, 18.0245,
9.6702

■ 35.0442, 28.9650,
46.9240

■ 10.9302, 17.3818,
7.4818

■ 39.6017, 31.1542,
54.3783

■ 9.8742, 16.8745,
5.7545

■ 44.5780, 33.5446,
62.5178

■ 9.0799, 16.4930,
4.4553

■ 49.9836, 36.1412,
71.3593

■ 8.5246, 16.2263,
3.5470

■ 55.8284, 38.9487,
80.9191

■ 8.1815, 16.0615,
2.9856

■ 62.1220, 41.9719,
91.2131

Harmonies

Analogous

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



20.8969, 22.1130, 23.3245



20.7810, 22.1130, 23.5950



20.7285, 22.1130, 23.9972

Triad

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



20.7810, 22.1130, 23.5950



20.9897, 22.1130, 24.9191



21.2845, 22.1130, 23.7323

Complementary

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



20.7810, 22.1130, 23.5950



20.9552, 21.7964, 24.2229

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.



21.3097, 22.1130, 24.1576



20.7810, 22.1130, 23.5950



21.1390, 22.1130, 24.8461

Square

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



20.7810, 22.1130, 23.5950



20.8487, 22.1130, 24.7643



21.2563, 22.1130, 24.5661



21.1877, 22.1130, 23.4031

Rectangle

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



20.7810, 22.1130, 23.5950



20.7364, 22.1130, 24.2871



21.2563, 22.1130, 24.5661



21.3016, 22.1130, 23.8687

Sweetspot

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



20.7816, 22.1139, 23.5955



37.3664, 39.3123, 42.8111



21.0859, 22.2708, 23.6097



8.4577, 8.8982, 9.6901



62.3462, 65.5931, 71.4309

Same Dimension

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



20.7816, 22.1139, 23.5955



36.3469, 38.8226, 41.1437



20.8479, 22.1404, 23.9443



4.7185, 5.0313, 5.3485



7.6541, 15.3082, 2.5515



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.9552, 21.7964, 24.2229



36.7515, 38.0826, 42.6061



20.8883, 21.7697, 23.8706



4.7650, 4.9461, 5.5168



12.6902, 6.0958, 20.7561



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.7810, 22.1130, 23.5950 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 20.7810, 22.1130, 23.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

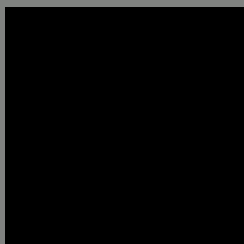
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

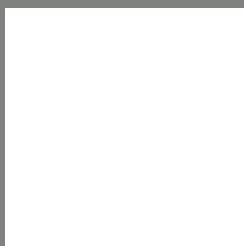
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7810, 22.1130, 23.5950

Background



This preview shows how black text looks on a background with the XYZ color 20.7810, 22.1130, 23.5950.



This preview shows how white text looks on a background with the XYZ color 20.7810, 22.1130,

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

20.7810, 22.1130, 23.5950

Protanopia

21.1967, 22.1384, 23.2346

Deuteranopia

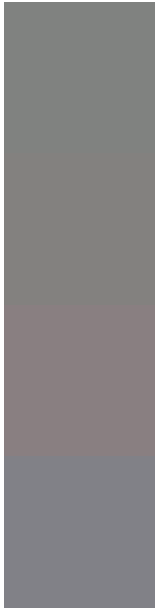
22.4514, 22.0030, 23.8326



Tritanopia

21.5853, 22.0482, 27.5442

Trichromacy



Original Color

20.7810, 22.1130, 23.5950

Protanomaly

21.0411, 22.0581, 23.2273

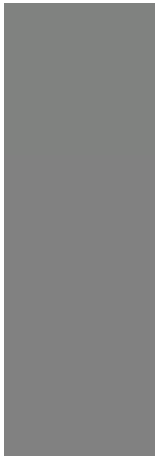
Deuteranomaly

21.8683, 22.0821, 23.8786

Tritanomaly

21.2767, 22.1169, 26.0693

Monochromacy



Original Color

20.7810, 22.1130, 23.5950

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8660, 21.9526, 23.9064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7810, 22.1130, 23.5950 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, 128)` looks like.

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

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, 128) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 20.7810, 22.1130, 23.5950 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, 128) }
```

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

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

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, 128) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 20.7810, 22.1130, 23.5950 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, 128) }
```

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

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

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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