

Converting Colors

XYZ(20.8948, 22.4343, 23.7082)

Have a look what the booklet for
XYZ(20.8948, 22.4343, 23.7082)
contains.

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Color

**XYZ(20.9147, 22.3803,
23.6396)**

Conversions

Conversions Part 1

Format	Color
Hex	808380
RGB	128, 131, 128
RGB Percent	50%, 51%, 50%
CMY	0.4980, 0.4863, 0.4980
CMYK	0.02, 0.00, 0.02, 0.49
HSL	120°, 1%, 51%
HSV	120°, 2%, 51%
XYZ	20.9147, 22.3803, 23.6396
YIQ	129.7610, -0.8250, -1.5690

Conversions

Conversions Part 2

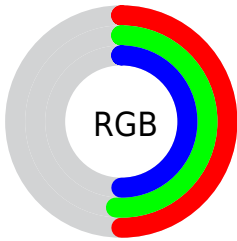
Format	Color
R_{YB}	128, 131, 131
Decimal	8422272
CIE _{Lab}	54.43, -1.71, 1.22
CIE _{LCh}	54, 2.101, 144.407
Yxy	22.3803, 0.3125, 0.3344
Android (android.graphics.Color)	4286612352 (0xFF808380)
YUV	129.7610, -0.8682, -1.5444
Hunter-Lab	47.3078, -3.8742, 3.4884

Details

The XYZ color **20.9147, 22.3803, 23.6396** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1768, 21.9029, 24.5854**, and the grayscale version is **21.1374, 22.2382, 24.2174**.

A 20% lighter version of the original color is **44.5370, 47.4409, 50.5257**, and **7.6530, 8.2614, 8.5884** is the 20% darker color. If you saturate the color by 10%, you get **18.2628, 21.1071, 19.3012**, and if you desaturate by 10%, it is **23.9337, 23.8311, 28.5773**.

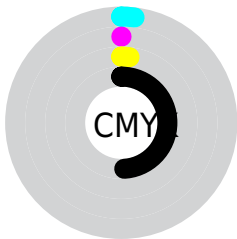
Distribution



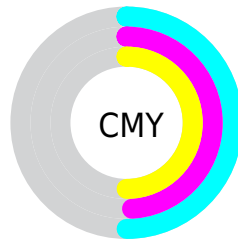
- Red (50%)
- Green (51%)
- Blue (50%)



- 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 20.9147, 22.3803, 23.6396 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 20.9147, 22.3803, 23.6396 by changing the saturation by 10% instead.

■ 20.9147, 22.3803,
23.6396

■ 20.9147, 22.3803,
23.6396

249.5651,
264.5259, 284.2210

■ 13.1738, 14.1366,
14.8568

■ 44.4379, 47.3738,
50.3779

■ 7.6261, 8.2157,
8.5734

■ 60.9508, 64.8923,
69.1704

■ 3.9064, 4.2333,
4.3710

■ 81.1185, 86.2712,
92.1366

■ 1.6493, 1.8049,
1.8310

105.3063,
111.8950, 119.6949

■ 0.4242, 0.4902,
0.4483

133.8794,
142.1479, 152.2640

■ 0.0000, 0.0000,
0.0000

167.2034,

177.4145, 190.2623

205.6435,
218.0790, 234.1085

■ 20.9147, 22.3803,
23.6396

■ 20.9147, 22.3803,
23.6396

■ 18.2628, 21.1071,
19.3012

■ 23.9337, 23.8311,
28.5773

■ 15.9621, 20.0020,
15.5380

■ 27.3309, 25.4630,
34.1343

■ 13.9986, 19.0588,
12.3262

■ 31.1196, 27.2829,
40.3317

■ 12.3563, 18.2699,
9.6400

■ 35.3116, 29.2965,
47.1889

■ 11.0183, 17.6272,
7.4513

■ 39.9185, 31.5094,
54.7245

■ 9.9657, 17.1216,
5.7296

■ 44.9510, 33.9268,
62.9566

■ 9.1779, 16.7432,
4.4411

■ 50.4199, 36.5538,
71.9024

■ 8.6314, 16.4807,
3.5472

■ 56.3353, 39.3952,
81.5786

■ 8.2985, 16.3208,
3.0028

■ 62.7070, 42.4558,
92.0012

Harmonies

Analogous

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



21.0898, 22.3803, 23.2346



20.9147, 22.3803, 23.6396



20.8353, 22.3803, 24.2453

Triad

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



20.9147, 22.3803, 23.6396



21.2288, 22.3803, 25.6489



21.6765, 22.3803, 23.8494

Complementary

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



20.9147, 22.3803, 23.6396



21.1768, 21.9029, 24.5854

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.



21.7144, 22.3803, 24.4918



20.9147, 22.3803, 23.6396



21.4548, 22.3803, 25.5383

Square

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



20.9147, 22.3803, 23.6396



21.0158, 22.3803, 25.4114



21.6329, 22.3803, 25.1119



21.5299, 22.3803, 23.3542

Rectangle

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



20.9147, 22.3803, 23.6396



20.8469, 22.3803, 24.6844



21.6329, 22.3803, 25.1119



21.7024, 22.3803, 24.0550

Sweetspot

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



20.9153, 22.3813, 23.6401



38.1019, 40.3898, 43.3936



21.3669, 22.6041, 23.6593



8.8793, 9.4076, 10.1167



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.



20.9153, 22.3813, 23.6401



37.0605, 39.8895, 41.6902



21.0115, 22.4197, 24.1468



4.9728, 5.3760, 5.5737



7.9894, 15.9786, 2.6631



0.0277, 0.0554, 0.0092

Inverse Universe

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



21.1768, 21.9029, 24.5854



37.6845, 38.7480, 43.9461



21.0791, 21.8639, 24.0710



5.0729, 5.1928, 5.9357



13.2453, 6.3624, 21.6666



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 20.9147, 22.3803, 23.6396 looks on a white background.

Color Contrast Check

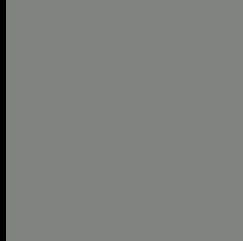
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9147, 22.3803, 23.6396 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 20.9147, 22.3803, 23.6396

Background



This preview shows how black text looks on a background with the XYZ color 20.9147, 22.3803, 23.6396.



This preview shows how white text looks on a background with the XYZ color 20.9147, 22.3803,

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

20.9147, 22.3803, 23.6396

Protanopia

21.3539, 22.2194, 23.2420

Deuteranopia

22.7510, 22.3463, 23.8830



Tritanopia

21.7164, 22.3104, 27.5879

Trichromacy



Original Color

20.9147, 22.3803, 23.6396

Protanomaly

21.1735, 22.3229, 23.2715

Deuteranomaly

22.1629, 22.4266, 23.9295

Tritanomaly

21.4091, 22.3817, 26.1134

Monochromacy



Original Color

20.9147, 22.3803, 23.6396

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9983, 22.2174, 23.9505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9147, 22.3803, 23.6396 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, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 131, 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, 131, 128) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 20.9147, 22.3803, 23.6396 is called "border". The border property can be set on classes, ids or directly on the HTML element.

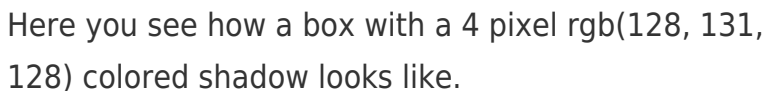
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 131, 128) }
```


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

```
.border{ border-color:rgb(128, 131, 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, 131, 128)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 20.9147, 22.3803, 23.6396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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