

Converting Colors

XYZ(20.8177, 22.3879, 12.0282)

Have a look what the booklet for
XYZ(20.8177, 22.3879, 12.0282)
contains.

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Color

**XYZ(20.8177, 22.3879,
12.0282)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8256
RGB	142, 130, 86
RGB Percent	56%, 51%, 34%
CMY	0.4431, 0.4902, 0.6627
CMYK	0.00, 0.08, 0.39, 0.44
HSL	47°, 25%, 45%
HSV	47°, 39%, 56%
XYZ	20.8177, 22.3879, 12.0282
YIQ	128.5720, 21.2760, -11.1400

Conversions

Conversions Part 2

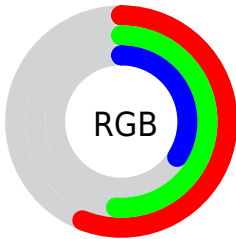
Format	Color
R_{YB}	101, 142, 86
Decimal	9339478
CIE Lab	54.44, -2.21, 25.48
CIE LCh	54, 25.573, 94.958
Yxy	22.3879, 0.3769, 0.4053
Android (android.graphics.Color)	4287529558 (0xFF8E8256)
YUV	128.5720, -20.9880, 11.7764
Hunter-Lab	47.3159, -4.2676, 18.0489

Details

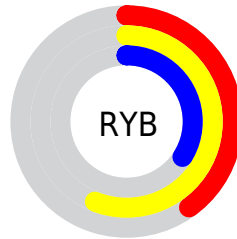
The XYZ color **20.8177, 22.3879, 12.0282** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.0879, 12.6665, 27.3464**, and the grayscale version is **20.7829, 21.8652, 23.8112**.

A 20% lighter version of the original color is **44.4034, 47.5149, 30.1235**, and **7.5419, 8.2117, 3.1950** is the 20% darker color. If you saturate the color by 10%, you get **19.9030, 21.3849, 9.1757**, and if you desaturate by 10%, it is **21.8592, 23.4624, 15.4844**.

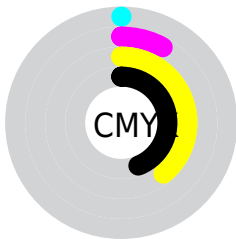
Distribution



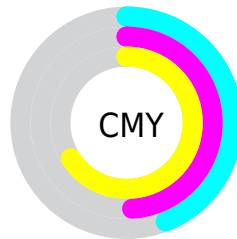
- Red (56%)
- Green (51%)
- Blue (34%)



- Red (40%)
- Yellow (56%)
- Blue (34%)



- Cyan (0%)
- Magenta (8%)
- Yellow (39%)
- Black (44%)



- Cyan (44%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8177, 22.3879, 12.0282 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 20.8177, 22.3879, 12.0282 by changing the saturation by 10% instead.

■ 20.8177, 22.3879,
12.0282

■ 20.8177, 22.3879,
12.0282

249.0582,
264.5653, 215.5764

■ 13.1025, 14.1422,
6.6401

■ 44.2775, 47.3863,
30.2116

■ 7.5767, 8.2196,
3.1631

■ 60.7528, 64.9077,
43.8440

■ 3.8748, 4.2358,
1.1785

■ 80.8789, 86.2899,
61.0616

■ 1.6315, 1.8063,
0.0000

■ 105.0211,
111.9172, 82.2830

■ 0.4128, 0.4911,
0.0000

■ 133.5448,
142.1740, 107.9266

■ 0.0000, 0.0000,
0.0000

166.8153,

177.4447, 138.4110

205.1980,
218.1137, 174.1548

■ 20.8177, 22.3879,
12.0282

■ 20.8177, 22.3879,
12.0282

■ 19.9030, 21.3849,
9.1757

■ 21.8592, 23.4624,
15.4844

■ 19.1065, 20.4474,
6.8897

■ 23.0321, 24.6079,
19.5756

■ 18.4213, 19.5731,
5.1314

■ 24.3428, 25.8281,
24.3326

■ 17.8387, 18.7586,
3.8561

■ 25.7969, 27.1252,
29.7839

■ 17.3488, 17.9996,
3.0119

■ 27.3995, 28.5015,
35.9562

■ 16.9265, 17.2860,
2.4674

■ 29.1554, 29.9590,
42.8749

■ 16.9032, 17.2465,
2.4380

■ 31.0695, 31.4999,
50.5641

■ 33.1461, 33.1260,
59.0468

■ 35.3894, 34.8393,
68.3451

Harmonies

Analogous

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



23.6372, 22.3879, 12.9172



20.8177, 22.3879, 12.0282



18.3444, 22.3879, 13.8084

Triad

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



20.8177, 22.3879, 12.0282



17.1693, 22.3879, 34.3076



26.5319, 22.3879, 31.4933

Complementary

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



20.8177, 22.3879, 12.0282



13.0879, 12.6665, 27.3464

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.



24.5110, 22.3879, 39.3012



20.8177, 22.3879, 12.0282



19.0832, 22.3879, 41.1596

Square

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



20.8177, 22.3879, 12.0282



16.3590, 22.3879, 25.7319



21.7471, 22.3879, 43.1622



27.0981, 22.3879, 23.0698

Rectangle

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



20.8177, 22.3879, 12.0282



17.1733, 22.3879, 16.5605



21.7471, 22.3879, 43.1622



25.9920, 22.3879, 34.3309

Sweetspot

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



20.8183, 22.3889, 12.0287



42.2508, 44.9264, 40.4262



16.6942, 13.2910, 13.2741



9.3793, 9.9813, 8.8195



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.8183, 22.3889, 12.0287



35.3192, 37.9611, 16.8504



19.9768, 24.4638, 12.4735



5.7429, 6.0920, 5.7626



15.1901, 15.5120, 2.1935



0.1610, 0.1799, 0.0262

Inverse Universe

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



13.0879, 12.6665, 27.3464



19.7942, 18.4457, 47.6450



13.6749, 11.4259, 27.0760



5.2175, 5.4307, 6.8020



4.8220, 2.6299, 23.2306



0.0597, 0.0523, 0.2266

Previews

White Background



This preview shows how the XYZ color 20.8177, 22.3879, 12.0282 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 20.8177, 22.3879, 12.0282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

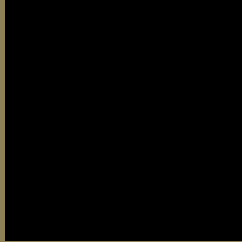
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8177, 22.3879, 12.0282

Background



This preview shows how black text looks on a background with the XYZ color 20.8177, 22.3879, 12.0282.



This preview shows how white text looks on a background with the XYZ color 20.8177, 22.3879,

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

20.8177, 22.3879, 12.0282

Protanopia

20.6469, 22.2999, 12.0202

Deuteranopia

22.7642, 22.4233, 12.1451



Tritanopia

23.5433, 22.3396, 25.6254

Trichromacy



Original Color

20.8177, 22.3879, 12.0282

Protanomaly

20.6469, 22.2999, 12.0202

Deuteranomaly

22.0722, 22.4462, 12.1860

Tritanomaly

22.3488, 22.2258, 19.9417

Monochromacy



Original Color

20.8177, 22.3879, 12.0282

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6624, 21.9611, 18.7727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8177, 22.3879, 12.0282 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(142, 130, 86)` looks like.

```
.text, #text, p{  
    color:rgb(142, 130, 86)  
}
```

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(142, 130, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 130, 86) }
```

Border

The CSS property to change the border of an element to XYZ 20.8177, 22.3879, 12.0282 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(142, 130, 86) }
```


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

```
.border{ border-color:rgb(142, 130, 86) }
```

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

Here you see how a box with a 4 pixel rgb(142, 130, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 130, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 130, 86);  
box-shadow:4px 4px 4px 4px rgb(142, 130,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8177, 22.3879, 12.0282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 130, 86) }
```

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

```
.background{ background-color: rgb(142,  
130, 86) }
```

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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