

Converting Colors

XYZ(21.9517, 22.2337, 23.3910)

Have a look what the booklet for
XYZ(21.9517, 22.2337, 23.3910)
contains.

XYZ(22.0967, 22.4001, 23.5811)	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(22.0967, 22.4001,
23.5811)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8080
RGB	138, 128, 128
RGB Percent	54%, 50%, 50%
CMY	0.4588, 0.4980, 0.4980
CMYK	0.00, 0.07, 0.07, 0.46
HSL	0°, 4%, 52%
HSV	0°, 7%, 54%
XYZ	22.0967, 22.4001, 23.5811
YIQ	130.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

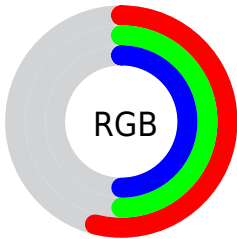
Format	Color
R_{YB}	138, 128, 128
Decimal	9076864
CIE _{Lab}	54.45, 3.78, 1.36
CIE _{LCh}	54, 4.021, 19.734
Yxy	22.4001, 0.3246, 0.3290
Android (android.graphics.Color)	4287266944 (0xFF8A8080)
YUV	130.9900, -1.4741, 6.1478
Hunter-Lab	47.3287, 0.5122, 3.5894

Details

The XYZ color **22.0967, 22.4001, 23.5811** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.5780, 24.6008, 27.6036**, and the grayscale version is **21.5739, 22.6975, 24.7175**.

A 20% lighter version of the original color is **46.3502, 47.4603, 50.4339**, and **8.2318, 8.2312, 8.5521** is the 20% darker color. If you saturate the color by 10%, you get **19.5707, 18.7041, 18.5583**, and if you desaturate by 10%, it is **24.9922, 26.6370, 29.3371**.

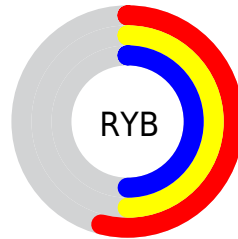
Distribution



Red (54%)

Green (50%)

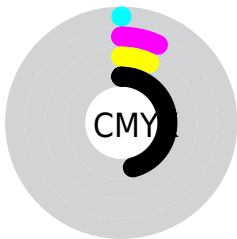
Blue (50%)



Red (54%)

Yellow (50%)

Blue (50%)

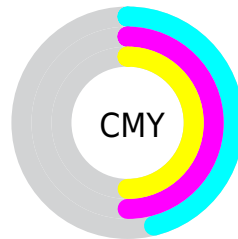


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (46%)



Cyan (46%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0967, 22.4001, 23.5811 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 22.0967, 22.4001, 23.5811 by changing the saturation by 10% instead.

■ 22.0967, 22.4001,
23.5811

■ 22.0967, 22.4001,
23.5811

255.6737,
264.6286, 283.9138

■ 14.0450, 14.1512,
14.8139

■ 46.3834, 47.4064,
50.2810

■ 8.2339, 8.2259,
8.5437

■ 63.3491, 64.9326,
69.0507

■ 4.2980, 4.2398,
4.3520

■ 84.0169, 86.3199,
91.9916

■ 1.8721, 1.8086,
1.8204

108.7521,
111.9529, 119.5224

■ 0.5605, 0.4925,
0.4414

137.9200,
142.2158, 152.0614

■ 0.0000, 0.0000,
0.0000

171.8860,

177.4932, 190.0273

211.0154,
218.1693, 233.8386

■ 22.0967, 22.4001,
23.5811

■ 22.0967, 22.4001,
23.5811

■ 19.5707, 18.7041,
18.5583

■ 24.9922, 26.6370,
29.3371

■ 17.3976, 15.5243,
14.2381

■ 28.2694, 31.4321,
35.8527

■ 15.5623, 12.8388,
10.5894

■ 31.9419, 36.8058,
43.1546

■ 14.0478, 10.6226,
7.5787

■ 36.0225, 42.7764,
51.2678

■ 12.8357, 8.8490,
5.1692

■ 40.5231, 49.3616,
60.2161

■ 11.9058, 7.4881,
3.3207

■ 45.4552, 56.5782,
70.0226

■ 11.2352, 6.5067,
1.9879

■ 50.8299, 64.4424,
80.7091

■ 10.7977, 5.8664,
1.1185

■ 56.6580, 72.9698,
92.2971

■ 10.5438, 5.4948,
0.6140

■ 62.9496, 82.1755,
104.8069

Harmonies

Analogous

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



22.1338, 22.4001, 24.8241



22.0967, 22.4001, 23.5811



21.8420, 22.4001, 22.5879

Triad

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



22.0967, 22.4001, 23.5811



20.6517, 22.4001, 22.8576



21.1403, 22.4001, 26.8519

Complementary

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



22.0967, 22.4001, 23.5811



22.5780, 24.6008, 27.6036

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.



20.7486, 22.4001, 26.2853



22.0967, 22.4001, 23.5811



20.4692, 22.4001, 23.9608

Square

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



22.0967, 22.4001, 23.5811



21.0063, 22.4001, 22.1802



20.5044, 22.4001, 25.2170



21.5775, 22.4001, 26.7417

Rectangle

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



22.0967, 22.4001, 23.5811



21.5849, 22.4001, 22.1874



20.5044, 22.4001, 25.2170



20.9990, 22.4001, 26.7335

Sweetspot

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



22.0973, 22.4011, 23.5816



41.5225, 43.2497, 46.6809



22.7882, 22.6769, 27.2211



9.3292, 9.7240, 10.5020



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.0973, 22.4011, 23.5816



38.0331, 38.1439, 39.7434



22.7654, 23.7372, 23.8043



5.0330, 5.0488, 5.2616



9.6102, 4.9547, 0.4498



0.0639, 0.0329, 0.0030

Inverse Universe

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



22.5780, 24.6008, 27.6036



39.0943, 43.0001, 48.6225



21.8774, 23.1996, 27.3700



5.1727, 5.6884, 6.4312



12.5347, 18.3398, 24.9250



0.0833, 0.1219, 0.1656

Previews

White Background



This preview shows how the XYZ color 22.0967, 22.4001, 23.5811 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 22.0967, 22.4001, 23.5811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

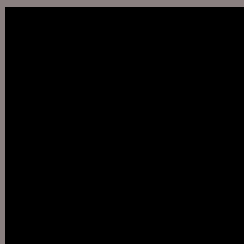
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

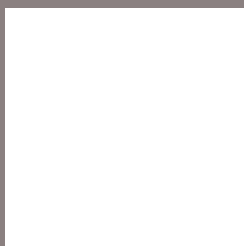
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0967, 22.4001, 23.5811

Background



This preview shows how black text looks on a background with the XYZ color 22.0967, 22.4001, 23.5811.



This preview shows how white text looks on a background with the XYZ color 22.0967, 22.4001,

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

22.0967, 22.4001, 23.5811

Protanopia

21.6179, 22.5368, 23.9795

Deuteranopia

22.6848, 22.3199, 23.5346



Tritanopia

22.7522, 22.4739, 26.8056

Trichromacy



Original Color

22.0967, 22.4001, 23.5811

Protanomaly

21.8044, 22.4364, 23.9503

Deuteranomaly

22.4702, 22.4000, 23.5614

Tritanomaly

22.5399, 22.3889, 25.6878

Monochromacy



Original Color

22.0967, 22.4001, 23.5811

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8434, 22.6453, 24.3388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0967, 22.4001, 23.5811 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(138, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(138, 128, 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(138, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 128, 128) }
```

Border

The CSS property to change the border of an element to XYZ 22.0967, 22.4001, 23.5811 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(138, 128, 128) }
```


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

```
.border{ border-color:rgb(138, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(138, 128,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0967, 22.4001, 23.5811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 128, 128) }
```

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

```
.background{ background-color: rgb(138,  
128, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor