

Converting Colors

XYZ(22.1551, 24.1850, 20.8390)

Have a look what the booklet for
XYZ(22.1551, 24.1850, 20.8390)
contains.

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Color

**XYZ(22.1256, 24.0911,
20.9367)**

Conversions

Conversions Part 1

Format	Color
Hex	878877
RGB	135, 136, 119
RGB Percent	53%, 53%, 47%
CMY	0.4706, 0.4667, 0.5333
CMYK	0.01, 0.00, 0.13, 0.47
HSL	64°, 7%, 50%
HSV	64°, 13%, 53%
XYZ	22.1256, 24.0911, 20.9367
YIQ	133.7630, 4.8610, -5.4990

Conversions

Conversions Part 2

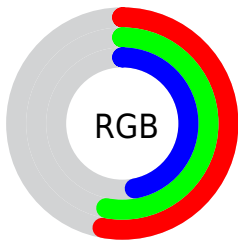
Format	Color
R_{YB}	119, 136, 120
Decimal	8882295
CIE Lab	56.18, -3.54, 9.01
CIE LCh	56, 9.679, 111.439
Yxy	24.0911, 0.3295, 0.3587
Android (android.graphics.Color)	4287072375 (0xFF878877)
YUV	133.7630, -7.2782, 1.0848
Hunter-Lab	49.0827, -5.4301, 9.0671

Details

The XYZ color **22.1256, 24.0911, 20.9367** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.7874, 18.9650, 25.9642**, and the grayscale version is **22.5981, 23.7750, 25.8910**.

A 20% lighter version of the original color is **46.2873, 50.0268, 45.7446**, and **8.2114, 9.0418, 7.2737** is the 20% darker color. If you saturate the color by 10%, you get **21.2383, 23.7221, 16.9323**, and if you desaturate by 10%, it is **23.1321, 24.5095, 25.5579**.

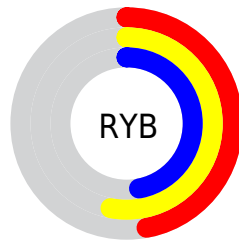
Distribution



Red (53%)

Green (53%)

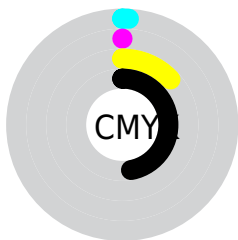
Blue (47%)



Red (47%)

Yellow (53%)

Blue (47%)

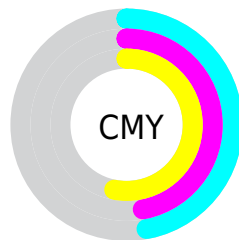


Cyan (1%)

Magenta (0%)

Yellow (13%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1256, 24.0911, 20.9367 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 22.1256, 24.0911, 20.9367 by changing the saturation by 10% instead.

■ 22.1256, 24.0911,
20.9367

■ 22.1256, 24.0911,
20.9367

255.8215,
273.2807, 269.7119

■ 14.0663, 15.4012,
12.8869

■ 46.4308, 50.1788,
45.8616

■ 8.2488, 9.1014,
7.2209

■ 63.4075, 68.3454,
63.5738

■ 4.3077, 4.8074,
3.5201

■ 84.0873, 90.4398,
85.3439

■ 1.8777, 2.1347,
1.3660

108.8357,
116.8462, 111.5905

■ 0.5638, 0.6840,
0.1149

138.0179,
147.9491, 142.7320

■ 0.0000, 0.0000,
0.0000

171.9994,

184.1329, 179.1871

211.1455,
225.7820, 221.3742

■ 22.1256, 24.0911,
20.9367

■ 22.1256, 24.0911,
20.9367

■ 21.2383, 23.7221,
16.9323

■ 23.1321, 24.5095,
25.5579

■ 20.4632, 23.3974,
13.5172

■ 24.2605, 24.9759,
30.8187

■ 19.7959, 23.1158,
10.6639

■ 25.5159, 25.4933,
36.7429

■ 19.2304, 22.8751,
8.3422

■ 26.9024, 26.0631,
43.3525

■ 18.7607, 22.6728,
6.5194

■ 28.4239, 26.6872,
50.6684

■ 18.3796, 22.5060,
5.1587

■ 30.0844, 27.3669,
58.7107

■ 18.0794, 22.3718,
4.2185

■ 31.8875, 28.1038,
67.4987

■ 17.8506, 22.2662,
3.6498

■ 33.8367, 28.8992,
77.0509

■ 17.7040, 22.1971,
3.3514

■ 35.9354, 29.7546,
87.3852

Harmonies

Analogous

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



23.2175, 24.0911, 20.6325



22.1256, 24.0911, 20.9367



21.2671, 24.0911, 22.5980

Triad

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



22.1256, 24.0911, 20.9367



21.5914, 24.0911, 31.3139



25.0768, 24.0911, 27.1528

Complementary

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



22.1256, 24.0911, 20.9367



18.7874, 18.9650, 25.9642

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.



24.6099, 24.0911, 30.2342



22.1256, 24.0911, 20.9367



22.5812, 24.0911, 32.7607

Square

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



22.1256, 24.0911, 20.9367



20.9657, 24.0911, 28.5324



23.6879, 24.0911, 32.3504



24.9452, 24.0911, 24.0570

Rectangle

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



22.1256, 24.0911, 20.9367



20.9311, 24.0911, 24.3308



23.6879, 24.0911, 32.3504



24.9841, 24.0911, 28.2279

Sweetspot

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



22.1263, 24.0922, 20.9372



40.4682, 43.0683, 43.6729



20.1823, 19.9637, 20.2428



9.3430, 9.9621, 9.9806



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.



22.1263, 24.0922, 20.9372



38.5283, 42.2628, 34.7946



20.8352, 23.4266, 20.8768



5.4024, 5.8302, 5.3930



16.7581, 21.0091, 3.1719



0.1154, 0.1417, 0.0213

Inverse Universe

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



18.7874, 18.9650, 25.9642



31.4511, 31.3946, 45.4505



19.9963, 19.5882, 26.0208



4.8002, 4.9054, 6.2997



4.3039, 1.7329, 22.1533



0.0317, 0.0131, 0.1473

Previews

White Background



This preview shows how the XYZ color 22.1256, 24.0911, 20.9367 looks on a white background.

Color Contrast Check

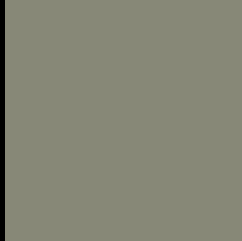
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1256, 24.0911, 20.9367 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 22.1256, 24.0911, 20.9367

Background



This preview shows how black text looks on a background with the XYZ color 22.1256, 24.0911, 20.9367.



This preview shows how white text looks on a background with the XYZ color 22.1256, 24.0911,

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

22.1256, 24.0911, 20.9367

Protanopia

22.7796, 24.0209, 20.5754

Deuteranopia

24.5097, 24.0936, 21.1280



Tritanopia

23.8267, 24.1615, 29.3944

Trichromacy



Original Color

22.1256, 24.0911, 20.9367

Protanomaly

22.5814, 24.1249, 20.6059

Deuteranomaly

23.4955, 23.9696, 21.1575

Tritanomaly

23.1447, 24.0898, 25.9842

Monochromacy



Original Color

22.1256, 24.0911, 20.9367

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4579, 23.9813, 24.2141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1256, 24.0911, 20.9367 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(135, 136, 119)` looks like.

```
.text, #text, p{  
    color:rgb(135, 136, 119)  
}
```

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(135, 136, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 136, 119) }
```

Border

The CSS property to change the border of an element to XYZ 22.1256, 24.0911, 20.9367 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(135, 136, 119) }
```


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

```
.border{ border-color:rgb(135, 136, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 136, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(135, 136,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1256, 24.0911, 20.9367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 136, 119) }
```

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

```
.background{ background-color: rgb(135,  
136, 119) }
```

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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