

Converting Colors

XYZ(21.3678, 24.6297, 10.8357)

Have a look what the booklet for
XYZ(21.3678, 24.6297, 10.8357)
contains.

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Color

**XYZ(21.2552, 24.5043,
10.8173)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8B4E
RGB	139, 139, 78
RGB Percent	55%, 55%, 31%
CMY	0.4549, 0.4549, 0.6941
CMYK	0.00, 0.00, 0.44, 0.45
HSL	60°, 28%, 43%
HSV	60°, 44%, 55%
XYZ	21.2552, 24.5043, 10.8173
YIQ	132.0460, 19.5810, -18.9710

Conversions

Conversions Part 2

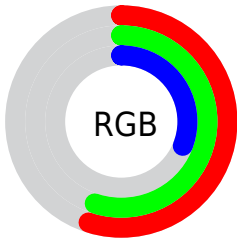
Format	Color
R_{YB}	78, 139, 78
Decimal	9145166
CIE _{Lab}	56.59, -9.39, 32.52
CIE _{LCh}	57, 33.854, 106.110
Yxy	24.5043, 0.3757, 0.4331
Android (android.graphics.Color)	4287335246 (0xFF8B8B4E)
YUV	132.0460, -26.6447, 6.0987
Hunter-Lab	49.5018, -9.9835, 21.6950

Details

The XYZ color **21.2552, 24.5043, 10.8173** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.5274, 8.9332, 25.5971**, and the grayscale version is **22.0374, 23.1851, 25.2485**.

A 20% lighter version of the original color is **44.9941, 50.7271, 27.8419**, and **7.7502, 9.2699, 2.6771** is the 20% darker color. If you saturate the color by 10%, you get **20.8087, 24.3266, 8.4644**, and if you desaturate by 10%, it is **21.8083, 24.7264, 13.7261**.

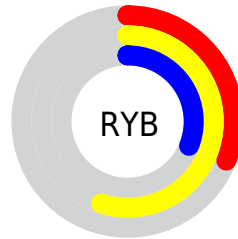
Distribution



Red (55%)

Green (55%)

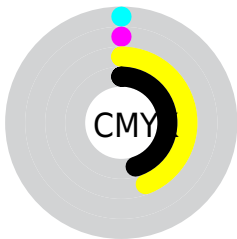
Blue (31%)



Red (31%)

Yellow (55%)

Blue (31%)

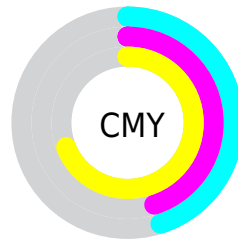


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (45%)



Cyan (45%)

Magenta (45%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2552, 24.5043, 10.8173 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 21.2552, 24.5043, 10.8173 by changing the saturation by 10% instead.

■ 21.2552, 24.5043,
10.8173

■ 21.2552, 24.5043,
10.8173

251.3378,
275.3602, 207.1020

■ 13.4242, 15.7081,
5.8315

■ 45.0000, 50.8519,
27.9533

■ 7.8003, 9.3179,
2.6758

■ 61.6444, 69.1721,
40.9406

■ 4.0182, 4.9491,
0.9312

■ 81.9574, 91.4358,
57.4321

■ 1.7124, 2.2174,
0.0000

■ 106.3043,
118.0274, 77.8463

■ 0.4640, 0.7295,
0.0000

■ 135.0504,
149.3312, 102.6019

■ 0.0000, 0.0000,
0.0000

168.5611,

185.7317, 132.1174

207.2018,
227.6132, 166.8112

■ 21.2552, 24.5043,
10.8173

■ 21.2552, 24.5043,
10.8173

■ 20.8087, 24.3266,
8.4644

■ 21.8083, 24.7264,
13.7261

■ 20.4603, 24.1872,
6.6306

■ 22.4722, 24.9920,
17.2215

■ 20.2031, 24.0843,
5.2772

■ 23.2533, 25.3045,
21.3337

■ 20.0286, 24.0145,
4.3591

■ 24.1567, 25.6659,
26.0904

■ 19.9263, 23.9735,
3.8212

■ 25.1875, 26.0782,
31.5176

■ 19.8796, 23.9548,
3.5760

■ 26.3504, 26.5434,
37.6400

■ 27.6496, 27.0631,
44.4810

■ 29.0896, 27.6391,
52.0627

■ 30.6742, 28.2730,
60.4064

Harmonies

Analogous

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



25.1530, 24.5043, 10.6988



21.2552, 24.5043, 10.8173



18.2561, 24.5043, 14.3095

Triad

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



21.2552, 24.5043, 10.8173



18.4327, 24.5043, 45.5239



31.4274, 24.5043, 32.2235

Complementary

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



21.2552, 24.5043, 10.8173



10.5274, 8.9332, 25.5971

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.



29.1748, 24.5043, 44.6823



21.2552, 24.5043, 10.8173



21.5225, 24.5043, 53.7014

Square

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



21.2552, 24.5043, 10.8173



16.7563, 24.5043, 33.1510



25.4520, 24.5043, 53.3561



31.3349, 24.5043, 21.1129

Rectangle

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



21.2552, 24.5043, 10.8173



17.0396, 24.5043, 18.8380



25.4520, 24.5043, 53.3561



30.9093, 24.5043, 36.4451

Sweetspot

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



21.2558, 24.5054, 10.8178



41.7312, 45.3496, 38.6825



14.7479, 11.4885, 8.6483



9.5469, 10.4221, 8.5504



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.



21.2558, 24.5054, 10.8178



37.2436, 43.5544, 15.0577



16.8541, 22.2363, 10.6118



5.4310, 5.8449, 5.3943



17.9411, 21.6190, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



10.5274, 8.9332, 25.5971



15.3569, 11.7860, 45.2085



13.6307, 10.5330, 25.7423



4.7747, 4.8923, 6.2985



4.2062, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.2552, 24.5043, 10.8173 looks on a white background.

Color Contrast Check

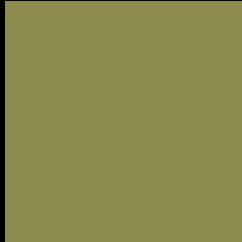
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2552, 24.5043, 10.8173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

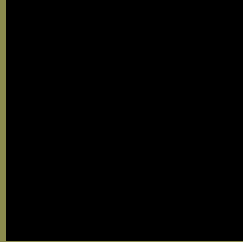
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2552, 24.5043, 10.8173

Background



This preview shows how black text looks on a background with the XYZ color 21.2552, 24.5043, 10.8173.



This preview shows how white text looks on a background with the XYZ color 21.2552, 24.5043,

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

21.2552, 24.5043, 10.8173

Protanopia

22.5381, 24.5337, 10.5688

Deuteranopia

24.8153, 24.2790, 10.9678



Tritanopia

24.9878, 24.5665, 29.0160

Trichromacy



Original Color

21.2552, 24.5043, 10.8173

Protanomaly

21.9623, 24.4469, 10.5824

Deuteranomaly

23.5091, 24.4075, 10.8692

Tritanomaly

23.3214, 24.4995, 20.9525

Monochromacy



Original Color

21.2552, 24.5043, 10.8173

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5803, 23.6487, 18.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2552, 24.5043, 10.8173 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(139, 139, 78)` looks like.

```
.text, #text, p{  
    color:rgb(139, 139, 78)  
}
```

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(139, 139, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 139, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.2552, 24.5043, 10.8173 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(139, 139, 78) }
```


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

```
.border{ border-color:rgb(139, 139, 78) }
```

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

Here you see how a box with a 4 pixel rgb(139, 139, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 139, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 139, 78);  
box-shadow:4px 4px 4px 4px rgb(139, 139,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2552, 24.5043, 10.8173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 139, 78) }
```

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

```
.background{ background-color: rgb(139,  
139, 78) }
```

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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