

Converting Colors

XYZ(20.4068, 22.2632, 20.8236)

Have a look what the booklet for
XYZ(20.4068, 22.2632, 20.8236)
contains.

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Color

**XYZ(20.3482, 22.1537,
20.6564)**

Conversions

Conversions Part 1

Format	Color
Hex	808377
RGB	128, 131, 119
RGB Percent	50%, 51%, 47%
CMY	0.4980, 0.4863, 0.5333
CMYK	0.02, 0.00, 0.09, 0.49
HSL	75°, 5%, 49%
HSV	75°, 9%, 51%
XYZ	20.3482, 22.1537, 20.6564
YIQ	128.7350, 2.0640, -4.3680

Conversions

Conversions Part 2

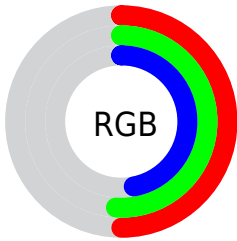
Format	Color
R_{YB}	119, 131, 122
Decimal	8422263
CIE Lab	54.19, -3.43, 6.10
CIE LCh	54, 6.996, 119.366
Yxy	22.1537, 0.3222, 0.3508
Android (android.graphics.Color)	4286612343 (0xFF808377)
YUV	128.7350, -4.7994, -0.6446
Hunter-Lab	47.0677, -5.1998, 6.9271

Details

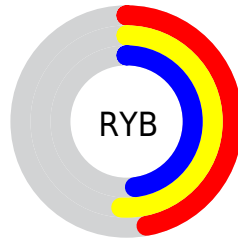
The XYZ color **20.3482, 22.1537, 20.6564** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.7204, 18.9705, 24.1489**, and the grayscale version is **20.7898, 21.8725, 23.8192**.

A 20% lighter version of the original color is **43.5472, 47.0450, 45.3135**, and **7.3791, 8.1518, 7.1458** is the 20% darker color. If you saturate the color by 10%, you get **19.1303, 21.6112, 16.7717**, and if you desaturate by 10%, it is **21.6917, 22.7497, 25.1140**.

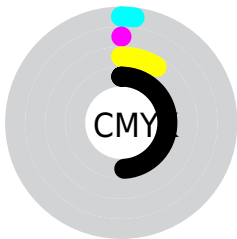
Distribution



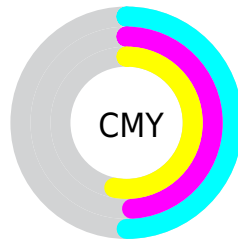
- Red (50%)
- Green (51%)
- Blue (47%)



- Red (47%)
- Yellow (51%)
- Blue (48%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)



- Cyan (50%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3482, 22.1537, 20.6564 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 20.3482, 22.1537, 20.6564 by changing the saturation by 10% instead.

■ 20.3482, 22.1537,
20.6564

■ 20.3482, 22.1537,
20.6564

246.5917,
263.3479, 268.1676

■ 12.7581, 13.9699,
12.6843

■ 43.4997, 46.9999,
45.3883

■ 7.3381, 8.0997,
7.0833

■ 59.7919, 64.4311,
62.9852

■ 3.7226, 4.1588,
3.4350

■ 79.7154, 85.7135,
84.6274

■ 1.5464, 1.7628,
1.3208

103.6357,
111.2315, 110.7336

■ 0.3571, 0.4638,
0.0788

131.9182,
141.3696, 141.7221

■ 0.0000, 0.0000,
0.0000

164.9281,

176.5121, 178.0116

203.0308,
217.0434, 220.0206

■ 20.3482, 22.1537,
20.6564

■ 20.3482, 22.1537,
20.6564

■ 19.1303, 21.6112,
16.7717

■ 21.6917, 22.7497,
25.1140

■ 18.0317, 21.1176,
13.4354

■ 23.1633, 23.3981,
30.1651

■ 17.0480, 20.6717,
10.6230


■ 24.7677, 24.1014,
35.8309


■ 16.1741, 20.2715,
8.3078


■ 26.5088, 24.8613,
42.1310


■ 15.4043, 19.9148,
6.4608


■ 28.3903, 25.6793,
49.0844

 14.7323, 19.5989,
5.0498


 30.4157, 26.5568,
56.7092


 14.1512, 19.3211,
4.0386

 32.5886, 27.4952,
65.0227

 13.6526, 19.0780,
3.3854

 34.9122, 28.4958,
74.0416

 13.2149, 18.8610,
2.9756

 37.3897, 29.5600,
83.7822

Harmonies

Analogous

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



21.0726, 22.1537, 20.1757



20.3482, 22.1537, 20.6564



19.8244, 22.1537, 22.0522

Triad

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



20.3482, 22.1537, 20.6564



20.3209, 22.1537, 27.9032



22.5511, 22.1537, 24.1679

Complementary

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



20.3482, 22.1537, 20.6564



18.7204, 18.9705, 24.1489

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.



22.3385, 22.1537, 26.3166



20.3482, 22.1537, 20.6564



21.0403, 22.1537, 28.5512

Square

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



20.3482, 22.1537, 20.6564



19.8089, 22.1537, 26.2318



21.7809, 22.1537, 27.9542



22.3553, 22.1537, 22.1277

Rectangle

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



20.3482, 22.1537, 20.6564



19.6532, 22.1537, 23.3579



21.7809, 22.1537, 27.9542



22.5249, 22.1537, 24.9018

Sweetspot

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



20.3488, 22.1547, 20.6569



37.8766, 40.3102, 41.7284



19.6501, 20.0769, 20.2927



8.7766, 9.3665, 9.5760



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.



20.3488, 22.1547, 20.6569



35.9639, 39.4611, 35.4513



19.4728, 21.7031, 20.6159



4.9290, 5.3660, 5.0053



12.9746, 18.5486, 2.8964



0.0516, 0.0677, 0.0103

Inverse Universe

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



18.7204, 18.9705, 24.1489



32.4311, 32.5531, 43.0272



19.5964, 19.4221, 24.1899



4.5356, 4.5967, 5.8490



4.6449, 1.9287, 21.2642



0.0220, 0.0097, 0.0739

Previews

White Background



This preview shows how the XYZ color 20.3482, 22.1537, 20.6564 looks on a white background.

Color Contrast Check

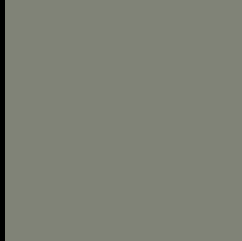
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3482, 22.1537, 20.6564 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

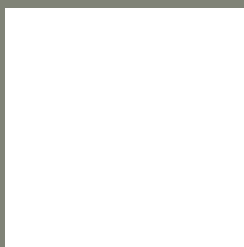
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3482, 22.1537, 20.6564

Background



This preview shows how black text looks on a background with the XYZ color 20.3482, 22.1537, 20.6564.



This preview shows how white text looks on a background with the XYZ color 20.3482, 22.1537,

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

20.3482, 22.1537, 20.6564

Protanopia

20.9518, 22.0769, 20.2965

Deuteranopia

22.4008, 22.0430, 20.8434



Tritanopia

21.6667, 22.0986, 27.1683

Trichromacy



Original Color

20.3482, 22.1537, 20.6564

Protanomaly

20.7684, 22.1788, 20.3259

Deuteranomaly

21.6270, 22.0238, 20.8804

Tritanomaly

21.1529, 22.0850, 24.6207

Monochromacy



Original Color

20.3482, 22.1537, 20.6564

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7376, 22.1131, 22.5773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3482, 22.1537, 20.6564 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(128, 131, 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(128, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 131, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.3482, 22.1537, 20.6564 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, 119) }
```


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

```
.border{ border-color:rgb(128, 131, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 131, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 131, 119);  
box-shadow:4px 4px 4px 4px rgb(128, 131,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3482, 22.1537, 20.6564 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, 119) }
```

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

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