

Converting Colors

XYZ(20.3223, 22.1142, 20.0548)

Have a look what the booklet for
XYZ(20.3223, 22.1142, 20.0548)
contains.

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Color

**XYZ(20.3804, 22.1841,
20.0374)**

Conversions

Conversions Part 1

Format	Color
Hex	818375
RGB	129, 131, 117
RGB Percent	51%, 51%, 46%
CMY	0.4941, 0.4863, 0.5412
CMYK	0.02, 0.00, 0.11, 0.49
HSL	69°, 6%, 49%
HSV	69°, 11%, 51%
XYZ	20.3804, 22.1841, 20.0374
YIQ	128.8060, 3.3020, -4.7780

Conversions

Conversions Part 2

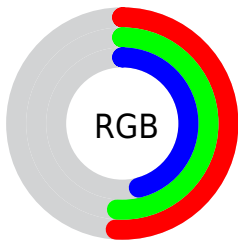
Format	Color
R_{YB}	117, 131, 119
Decimal	8487797
CIE _{Lab}	54.22, -3.41, 7.31
CIE _{LCh}	54, 8.068, 115.012
Y _{xy}	22.1841, 0.3256, 0.3544
Android (android.graphics.Color)	4286677877 (0xFF818375)
Y _{UV}	128.8060, -5.8204, 0.1701
Hunter-Lab	47.1000, -5.1872, 7.7467

Details

The XYZ color **20.3804, 22.1841, 20.0374** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.0667, 18.2838, 24.0509**, and the grayscale version is **20.8178, 21.9019, 23.8512**.

A 20% lighter version of the original color is **43.5933, 47.0906, 44.3279**, and **7.3997, 8.1697, 6.8171** is the 20% darker color. If you saturate the color by 10%, you get **19.3816, 21.7527, 16.2474**, and if you desaturate by 10%, it is **21.4935, 22.6633, 24.3964**.

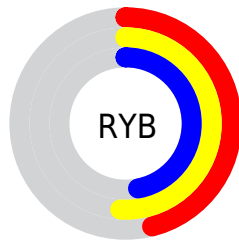
Distribution



Red (51%)

Green (51%)

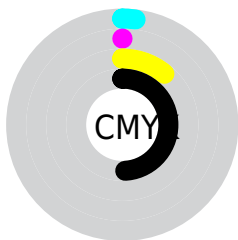
Blue (46%)



Red (46%)

Yellow (51%)

Blue (47%)

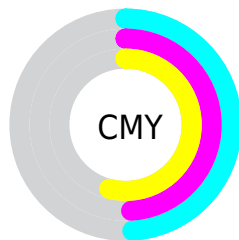


Cyan (2%)

Magenta (0%)

Yellow (11%)

Black (49%)



Cyan (49%)

Magenta (49%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3804, 22.1841, 20.0374 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 20.3804, 22.1841, 20.0374 by changing the saturation by 10% instead.

■ 20.3804, 22.1841,
20.0374

■ 20.3804, 22.1841,
20.0374

246.7616,
263.5062, 264.7284

■ 12.7817, 13.9922,
12.2379

■ 43.5531, 47.0501,
44.3397

■ 7.3544, 8.1153,
6.7814

■ 59.8579, 64.4930,
61.6795

■ 3.7330, 4.1688,
3.2494

■ 79.7954, 85.7884,
83.0365

■ 1.5522, 1.7684,
1.2233

103.7310,
111.3206, 108.8293

■ 0.3610, 0.4674,
0.0000

132.0301,
141.4741, 139.4763

■ 0.0000, 0.0000,
0.0000

165.0580,

176.6333, 175.3962

203.1800,
217.1825, 217.0074

■ 20.3804, 22.1841,
20.0374

■ 20.3804, 22.1841,
20.0374

■ 19.3816, 21.7527,
16.2474

■ 21.4935, 22.6633,
24.3964

■ 18.4907, 21.3644,
13.0016

■ 22.7232, 23.1890,
29.3451

■ 17.7036, 21.0181,
10.2753

■ 24.0743, 23.7638,
34.9048

■ 17.0152, 20.7120,
8.0414

■ 25.5504, 24.3892,
41.0954

■ 16.4197, 20.4436,
6.2706

■ 27.1552, 25.0668,
47.9360

■ 15.9110, 20.2105,
4.9301

■ 28.8922, 25.7979,
55.4447

■ 15.4820, 20.0098,
3.9830

■ 30.7647, 26.5838,
63.6390

■ 15.1245, 19.8384,
3.3863

■ 32.7760, 27.4258,
72.5357

■ 14.8321, 19.6954,
3.0199

■ 34.9291, 28.3252,
82.1510

Harmonies

Analogous

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



21.2323, 22.1841, 19.6562



20.3804, 22.1841, 20.0374



19.7338, 22.1841, 21.4901

Triad

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



20.3804, 22.1841, 20.0374



20.1331, 22.1841, 28.3310



22.8101, 22.1841, 24.5771

Complementary

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



20.3804, 22.1841, 20.0374



18.0667, 18.2838, 24.0509

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.



22.4972, 22.1841, 27.0310



20.3804, 22.1841, 20.0374



20.9390, 22.1841, 29.2920

Square

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



20.3804, 22.1841, 20.0374



19.5939, 22.1841, 26.2546



21.8063, 22.1841, 28.8006



22.6506, 22.1841, 22.1699

Rectangle

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



20.3804, 22.1841, 20.0374



19.4981, 22.1841, 22.9272



21.8063, 22.1841, 28.8006



22.7565, 22.1841, 25.4253

Sweetspot

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



20.3810, 22.1851, 20.0379



37.9951, 40.3713, 41.7339



19.1527, 19.2722, 19.5404



8.8108, 9.3842, 9.5776



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.



20.3810, 22.1851, 20.0379



36.0094, 39.5165, 34.0127



19.3729, 21.6654, 19.9907



4.9760, 5.3902, 5.0075



14.6008, 19.3869, 2.9725



0.0550, 0.0695, 0.0105

Inverse Universe

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



18.0667, 18.2838, 24.0509



30.9416, 30.9733, 42.8008



19.0433, 18.7873, 24.0966



4.4919, 4.5742, 5.8469



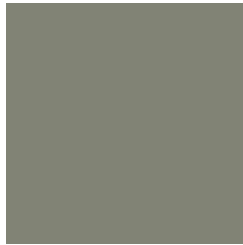
4.2936, 1.7476, 21.2477



0.0185, 0.0079, 0.0738

Previews

White Background



This preview shows how the XYZ color 20.3804, 22.1841, 20.0374 looks on a white background.

Color Contrast Check

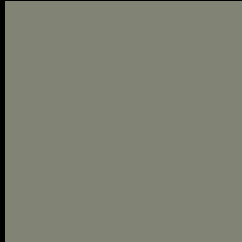
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3804, 22.1841, 20.0374 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

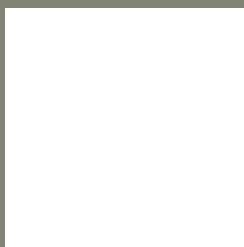
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3804, 22.1841, 20.0374

Background



This preview shows how black text looks on a background with the XYZ color 20.3804, 22.1841, 20.0374.



This preview shows how white text looks on a background with the XYZ color 20.3804, 22.1841,

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

20.3804, 22.1841, 20.0374

Protanopia

20.9943, 22.1124, 19.6846

Deuteranopia

22.4577, 22.0862, 20.2190



Tritanopia

21.8223, 22.1789, 27.1755

Trichromacy



Original Color

20.3804, 22.1841, 20.0374

Protanomaly

20.8079, 22.2128, 19.7138

Deuteranomaly

21.6746, 22.0622, 20.2556

Tritanomaly

21.2396, 22.1375, 24.2726

Monochromacy



Original Color

20.3804, 22.1841, 20.0374

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 20.3804, 22.1841, 20.0374 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(129, 131, 117)` looks like.

```
.text, #text, p{  
    color:rgb(129, 131, 117)  
}
```

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(129, 131, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 131, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.3804, 22.1841, 20.0374 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(129, 131, 117) }
```


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

```
.border{ border-color:rgb(129, 131, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 131, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 131, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 131, 117);  
box-shadow:4px 4px 4px 4px rgb(129, 131,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3804, 22.1841, 20.0374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 131, 117) }
```

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

```
.background{ background-color: rgb(129,  
131, 117) }
```

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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