

Converting Colors

XYZ(20.4069, 22.2114, 19.4316)

Have a look what the booklet for
XYZ(20.4069, 22.2114, 19.4316)
contains.

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Color

**XYZ(20.4167, 22.2162,
19.4317)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 828373 |
| RGB | 130, 131, 115 |
| RGB Percent | 51%, 51%, 45% |
| CMY | 0.4902, 0.4863, 0.5490 |
| CMYK | 0.01, 0.00, 0.12, 0.49 |
| HSL | 64°, 7%, 48% |
| HSV | 64°, 12%, 51% |
| XYZ | 20.4167, 22.2162, 19.4317 |
| YIQ | 128.8770, 4.5400, -5.1880 |

Conversions

Conversions Part 2

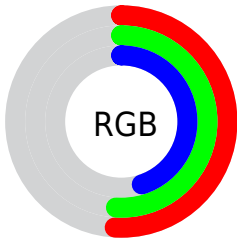
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 115, 131, 116 |
| Decimal | 8553331 |
| CIE _{Lab} | 54.26, -3.38, 8.53 |
| CIE _{LCh} | 54, 9.173, 111.618 |
| Yxy | 22.2162, 0.3290, 0.3580 |
| Android (android.graphics.Color) | 4286743411 (0xFF828373) |
| YUV | 128.8770, -6.8414, 0.9849 |
| Hunter-Lab | 47.1341, -5.1651, 8.5507 |

Details

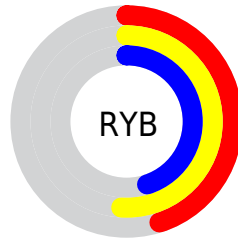
The XYZ color **20.4167, 22.2162, 19.4317** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.4308, 17.6137, 23.9550**, and the grayscale version is **20.8457, 21.9313, 23.8832**.

A 20% lighter version of the original color is **43.6440, 47.1383, 43.3575**, and **7.4238, 8.1892, 6.4996** is the 20% darker color. If you saturate the color by 10%, you get **19.5906, 21.8720, 15.7337**, and if you desaturate by 10%, it is **21.3521, 22.6057, 23.6950**.

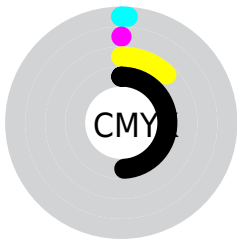
Distribution



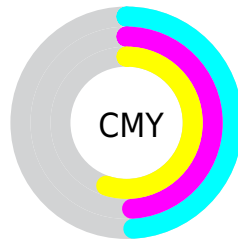
- Red (51%)
- Green (51%)
- Blue (45%)



- Red (45%)
- Yellow (51%)
- Blue (45%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4167, 22.2162, 19.4317 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 20.4167, 22.2162, 19.4317 by changing the saturation by 10% instead.

■ 20.4167, 22.2162,
19.4317

■ 20.4167, 22.2162,
19.4317

246.9529,
263.6732, 261.3234

■ 12.8083, 14.0158,
11.8027

■ 43.6133, 47.1031,
43.3087

■ 7.3728, 8.1317,
6.4885

■ 59.9323, 64.5584,
60.3937

■ 3.7447, 4.1793,
3.0708

■ 79.8856, 85.8675,
81.4678

■ 1.5587, 1.7744,
1.1309

103.8384,
111.4147, 106.9495

■ 0.3653, 0.4711,
0.0000

132.1562,
141.5845, 137.2574

■ 0.0000, 0.0000,
0.0000

165.2043,

176.7613, 172.8100

203.3481,
217.3294, 214.0258

■ 20.4167, 22.2162,
19.4317

■ 20.4167, 22.2162,
19.4317

■ 19.5906, 21.8720,
15.7337

■ 21.3521, 22.6057,
23.6950

■ 18.8677, 21.5684,
12.5760

■ 22.3994, 23.0393,
28.5445

■ 18.2435, 21.3045,
9.9336

■ 23.5630, 23.5196,
34.0017

■ 17.7130, 21.0782,
7.7791

■ 24.8469, 24.0481,
40.0867

■ 17.2705, 20.8872,
6.0827

■ 26.2546, 24.6263,
46.8185

■ 16.9097, 20.7289,
4.8110

■ 27.7896, 25.2555,
54.2156

■ 16.6233, 20.6006,
3.9266

■ 29.4553, 25.9371,
62.2953

■ 16.4030, 20.4988,
3.3850

■ 31.2549, 26.6723,
71.0748

■ 16.2556, 20.4292,
3.0865

■ 33.1914, 27.4625,
80.5703

Harmonies

Analogous

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



21.3968, 22.2162, 19.1497



20.4167, 22.2162, 19.4317



19.6470, 22.2162, 20.9353

Triad

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



20.4167, 22.2162, 19.4317



19.9466, 22.2162, 28.7586



23.0718, 22.2162, 24.9997

Complementary

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



20.4167, 22.2162, 19.4317



17.4308, 17.6137, 23.9550

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.



22.6561, 22.2162, 27.7650



20.4167, 22.2162, 19.4317



20.8373, 22.2162, 30.0443

Square

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



20.4167, 22.2162, 19.4317



19.3816, 22.2162, 26.2715



21.8307, 22.2162, 29.6671



22.9505, 22.2162, 22.2209

Rectangle

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



20.4167, 22.2162, 19.4317



19.3466, 22.2162, 22.4976



21.8307, 22.2162, 29.6671



22.9898, 22.2162, 25.9645

Sweetspot

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



20.4173, 22.2172, 19.4322



37.9058, 40.3432, 40.9187



18.6776, 18.5083, 18.8080



8.7982, 9.3815, 9.4028



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.



20.4173, 22.2172, 19.4322



36.0772, 39.5824, 32.6168



19.2660, 21.6236, 19.3783



5.0117, 5.4086, 5.0092



16.0012, 20.1089, 3.0380



0.0576, 0.0708, 0.0106

Inverse Universe

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



17.4308, 17.6137, 23.9550



29.4977, 29.4406, 42.5811



18.5114, 18.1708, 24.0056



4.4595, 4.5575, 5.8454



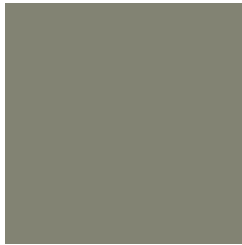
4.1346, 1.6656, 21.2403



0.0160, 0.0066, 0.0737

Previews

White Background



This preview shows how the XYZ color 20.4167, 22.2162, 19.4317 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 20.4167, 22.2162, 19.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

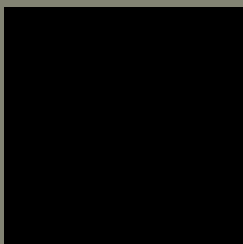
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

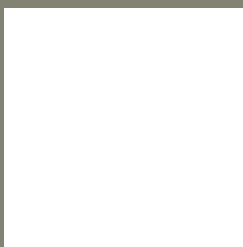
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4167, 22.2162, 19.4317

Background



This preview shows how black text looks on a background with the XYZ color 20.4167, 22.2162, 19.4317.



This preview shows how white text looks on a background with the XYZ color 20.4167, 22.2162,

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

20.4167, 22.2162, 19.4317

Protanopia

21.0409, 22.1497, 19.0859

Deuteranopia

22.5186, 22.1312, 19.6079



Tritanopia

21.9795, 22.2599, 27.1829

Trichromacy



Original Color

20.4167, 22.2162, 19.4317

Protanomaly

20.8514, 22.2485, 19.1150

Deuteranomaly

21.7263, 22.1024, 19.6441

Tritanomaly

21.3952, 22.2178, 24.2799

Monochromacy



Original Color

20.4167, 22.2162, 19.4317

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6740, 22.0876, 22.2425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4167, 22.2162, 19.4317 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(130, 131, 115)` looks like.

```
.text, #text, p{  
    color:rgb(130, 131, 115)  
}
```

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(130, 131, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 131, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.4167, 22.2162, 19.4317 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(130, 131, 115) }
```


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

```
.border{ border-color:rgb(130, 131, 115) }
```

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

Here you see how a box with a 4 pixel rgb(130, 131, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 131, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 131, 115);  
box-shadow:4px 4px 4px 4px rgb(130, 131,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4167, 22.2162, 19.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 131, 115) }
```

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

```
.background{ background-color: rgb(130,  
131, 115) }
```

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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