

Converting Colors

XYZ(19.4667, 22.3205, 8.8041)

Have a look what the booklet for
XYZ(19.4667, 22.3205, 8.8041)
contains.

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Color

**XYZ(19.4226, 22.3433,
8.7579)**

Conversions

Conversions Part 1

Format	Color
Hex	878544
RGB	135, 133, 68
RGB Percent	53%, 52%, 27%
CMY	0.4706, 0.4784, 0.7333
CMYK	0.00, 0.01, 0.50, 0.47
HSL	58°, 33%, 40%
HSV	58°, 50%, 53%
XYZ	19.4226, 22.3433, 8.7579
YIQ	126.1880, 22.0570, -19.7910

Conversions

Conversions Part 2

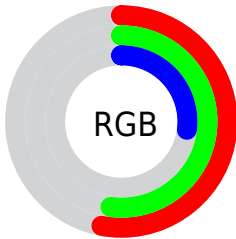
Format	Color
R_{YB}	70, 135, 68
Decimal	8881476
CIE _{Lab}	54.39, -8.90, 35.03
CIE _{LCh}	54, 36.140, 104.252
Yxy	22.3433, 0.3844, 0.4422
Android (android.graphics.Color)	4287071556 (0xFF878544)
YUV	126.1880, -28.6867, 7.7281
Hunter-Lab	47.2687, -9.3750, 22.1029

Details

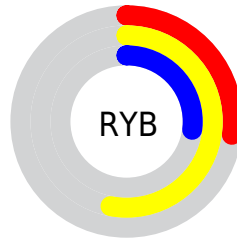
The XYZ color **19.4226, 22.3433, 8.7579** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.9473, 7.3584, 23.8704**, and the grayscale version is **19.9850, 21.0258, 22.8971**.

A 20% lighter version of the original color is **42.0641, 47.3730, 24.0664**, and **6.8639, 8.2302, 1.8886** is the 20% darker color. If you saturate the color by 10%, you get **19.0024, 22.0881, 6.8141**, and if you desaturate by 10%, it is **19.9390, 22.6389, 11.2025**.

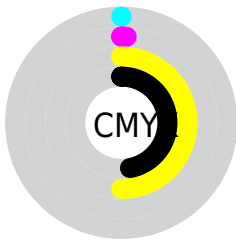
Distribution



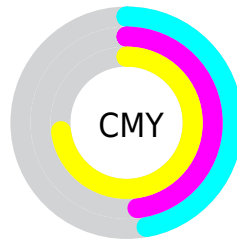
- Red (53%)
- Green (52%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (1%)
- Yellow (50%)
- Black (47%)



- Cyan (47%)
- Magenta (48%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4226, 22.3433, 8.7579 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 19.4226, 22.3433, 8.7579 by changing the saturation by 10% instead.

■ 19.4226, 22.3433,
8.7579

■ 19.4226, 22.3433,
8.7579

241.6655,
264.3339, 191.7125

■ 12.0818, 14.1094,
4.4890

■ 41.9584, 47.3127,
24.0016

■ 6.8720, 8.1968,
1.8972

■ 57.8841, 64.8170,
35.8135

■ 3.4278, 4.2211,
0.4910

■ 77.4022, 86.1803,
50.9767

■ 1.3838, 1.7980,
0.0000

■ 100.8780,
111.7868, 69.9099

■ 0.2447, 0.4859,
0.0000

■ 128.6768,
142.0210, 93.0315

■ 0.0000, 0.0000,
0.0000

161.1642,

177.2673, 120.7601

198.7053,
217.9102, 153.5143

■ 19.4226, 22.3433,
8.7579

■ 19.4226, 22.3433,
8.7579

■ 19.0024, 22.0881,
6.8141

■ 19.9390, 22.6389,
11.2025

■ 18.6702, 21.8676,
5.3349

■ 20.5559, 22.9744,
14.1781

■ 18.4191, 21.6799,
4.2815

■ 21.2794, 23.3527,
17.7139

■ 18.2404, 21.5214,
3.6082

■ 22.1147, 23.7761,
21.8367

■ 18.1097, 21.3826,
3.1872

■ 23.0663, 24.2464,
26.5718

■ 18.1049, 21.3774,
3.1720

■ 24.1389, 24.7654,
31.9426

■ 25.3367, 25.3349,
37.9716

■ 26.6637, 25.9564,
44.6801

■ 28.1238, 26.6314,
52.0884

Harmonies

Analogous

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



23.3636, 22.3433, 8.8324



19.4226, 22.3433, 8.7579



16.3690, 22.3433, 11.8449

Triad

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



19.4226, 22.3433, 8.7579



16.2515, 22.3433, 42.8644



29.4101, 22.3433, 30.7165

Complementary

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



19.4226, 22.3433, 8.7579



8.9473, 7.3584, 23.8704

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.



26.9847, 22.3433, 43.4524



19.4226, 22.3433, 8.7579



19.2428, 22.3433, 51.8146

Square

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



19.4226, 22.3433, 8.7579



14.6978, 22.3433, 30.0805



23.1602, 22.3433, 52.0582



29.4739, 22.3433, 19.3601

Rectangle

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



19.4226, 22.3433, 8.7579



15.1083, 22.3433, 16.0552



23.1602, 22.3433, 52.0582



28.8317, 22.3433, 35.0438

Sweetspot

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



19.4231, 22.3443, 8.7584



38.7245, 42.1357, 34.7597



13.1718, 9.7306, 7.0173



8.9060, 9.7265, 7.7435



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.



19.4231, 22.3443, 8.7584



33.9168, 39.4835, 11.6909



15.3855, 20.6725, 8.6485



5.0282, 5.3999, 5.0066



16.6969, 19.7163, 2.9256



0.0588, 0.0702, 0.0104

Inverse Universe

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



8.9473, 7.3584, 23.8704



12.8020, 9.2833, 42.1655



11.6153, 8.5515, 23.9600



4.4448, 4.5652, 5.8477



4.0747, 1.6972, 21.2495



0.0148, 0.0072, 0.0738

Previews

White Background



This preview shows how the XYZ color 19.4226, 22.3433, 8.7579 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 19.4226, 22.3433, 8.7579 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 19.4226, 22.3433, 8.7579

Background



This preview shows how black text looks on a background with the XYZ color 19.4226, 22.3433, 8.7579.



This preview shows how white text looks on a background with the XYZ color 19.4226, 22.3433,

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

19.4226, 22.3433, 8.7579

Protanopia

20.4974, 22.2998, 8.5342

Deuteranopia

22.6112, 22.2284, 8.8931



Tritanopia

22.8621, 22.1673, 25.9954

Trichromacy



Original Color

19.4226, 22.3433, 8.7579

Protanomaly

20.1139, 22.3006, 8.5545

Deuteranomaly

21.2412, 22.0924, 8.7750

Tritanomaly

21.2359, 22.0750, 18.1806

Monochromacy



Original Color

19.4226, 22.3433, 8.7579

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4533, 21.3876, 16.4675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4226, 22.3433, 8.7579 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, 133, 68)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 68)  
}
```

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, 133, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 68) }
```

Border

The CSS property to change the border of an element to XYZ 19.4226, 22.3433, 8.7579 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, 133, 68) }
```


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

```
.border{ border-color:rgb(135, 133, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 68);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4226, 22.3433, 8.7579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 68) }
```

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

```
.background{ background-color: rgb(135,  
133, 68) }
```

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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