

Converting Colors

XYZ(20.4851, 23.0115, 15.6069)

Have a look what the booklet for
XYZ(20.4851, 23.0115, 15.6069)
contains.

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Color

**XYZ(20.3898, 22.8953,
15.6565)**

Conversions

Conversions Part 1

Format	Color
Hex	848665
RGB	132, 134, 101
RGB Percent	52%, 53%, 40%
CMY	0.4824, 0.4745, 0.6039
CMYK	0.01, 0.00, 0.25, 0.47
HSL	64°, 14%, 46%
HSV	64°, 25%, 53%
XYZ	20.3898, 22.8953, 15.6565
YIQ	129.6400, 9.4010, -10.6870

Conversions

Conversions Part 2

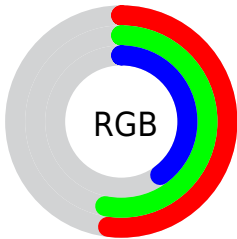
Format	Color
RYB	101, 134, 103
Decimal	8685157
CIELab	54.96, -6.57, 17.57
CIELCh	55, 18.760, 110.487
Yxy	22.8953, 0.3459, 0.3884
Android (android.graphics.Color)	4286875237 (0xFF848665)
YUV	129.6400, -14.1195, 2.0697
Hunter-Lab	47.8490, -7.6720, 14.0943

Details

The XYZ color **20.3898, 22.8953, 15.6565** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.5511, 13.9127, 24.4740**, and the grayscale version is **21.1374, 22.2382, 24.2174**.

A 20% lighter version of the original color is **43.4454, 48.1219, 36.7044**, and **7.3159, 8.4008, 4.7260** is the 20% darker color. If you saturate the color by 10%, you get **19.6596, 22.5894, 12.4701**, and if you desaturate by 10%, it is **21.2292, 23.2466, 19.4078**.

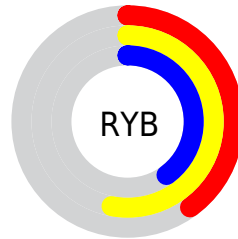
Distribution



Red (52%)

Green (53%)

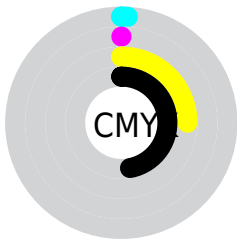
Blue (40%)



Red (40%)

Yellow (53%)

Blue (40%)

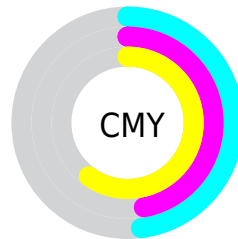


Cyan (1%)

Magenta (0%)

Yellow (25%)

Black (47%)



Cyan (48%)

Magenta (47%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3898, 22.8953, 15.6565 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 20.3898, 22.8953, 15.6565 by changing the saturation by 10% instead.

■ 20.3898, 22.8953,
15.6565

■ 20.3898, 22.8953,
15.6565

246.8111,
267.1868, 239.0823

■ 12.7886, 14.5162,
9.1297

■ 43.5687, 48.2214,
36.7593

■ 7.3591, 8.4806,
4.7279

■ 59.8772, 65.9371,
52.1724

■ 3.7360, 4.4040,
2.0326

■ 79.8188, 87.5339,
71.3846

■ 1.5539, 1.9020,
0.5752

■ 103.7588,
113.3961, 94.8146

■ 0.3621, 0.5496,
0.0000

132.0628,
143.9081, 122.8808

■ 0.0000, 0.0000,
0.0000

165.0959,

179.4542, 156.0018

203.2235,
220.4190, 194.5961

■ 20.3898, 22.8953,
15.6565

■ 20.3898, 22.8953,
15.6565

■ 19.6596, 22.5894,
12.4701

■ 21.2292, 23.2466,
19.4078

■ 19.0318, 22.3237,
9.8199

■ 22.1810, 23.6422,
23.7481

■ 18.5012, 22.0971,
7.6768

■ 23.2502, 24.0848,
28.7017

■ 18.0617, 21.9070,
6.0083

■ 24.4412, 24.5763,
34.2912

■ 17.7065, 21.7507,
4.7784

■ 25.7579, 25.1182,
40.5380

■ 17.4277, 21.6251,
3.9457

■ 27.2044, 25.7121,
47.4625

■ 17.2146, 21.5260,
3.4543

■ 28.7843, 26.3595,
55.0842

■ 17.1107, 21.4769,
3.2436

■ 30.5011, 27.0618,
63.4220

■ 32.3584, 27.8204,
72.4939

Harmonies

Analogous

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



22.4297, 22.8953, 15.2439



20.3898, 22.8953, 15.6565



18.8162, 22.8953, 18.3219

Triad

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



20.3898, 22.8953, 15.6565



19.3120, 22.8953, 34.8632



25.9538, 22.8953, 26.8726

Complementary

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



20.3898, 22.8953, 15.6565



14.5511, 13.9127, 24.4740

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.



24.9987, 22.8953, 32.9597



20.3898, 22.8953, 15.6565



21.1063, 22.8953, 38.0345

Square

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



20.3898, 22.8953, 15.6565



18.2220, 22.8953, 29.1617



23.1930, 22.8953, 37.2872



25.7315, 22.8953, 21.1272

Rectangle

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



20.3898, 22.8953, 15.6565



18.2013, 22.8953, 21.2918



23.1930, 22.8953, 37.2872



25.7576, 22.8953, 28.9587

Sweetspot

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



20.3904, 22.8963, 15.6570



38.6358, 41.4691, 39.8075



16.9967, 15.6395, 14.4351



8.6867, 9.3353, 8.8878



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.



20.3904, 22.8963, 15.6570



35.1251, 40.0037, 24.0818



18.0574, 21.6936, 15.5478



5.0126, 5.4090, 5.0092



16.0376, 20.1276, 3.0398



0.0577, 0.0708, 0.0106

Inverse Universe

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



14.5511, 13.9127, 24.4740



22.8553, 21.1251, 42.6114



16.5858, 14.9617, 24.5692



4.4587, 4.5571, 5.8454



4.1314, 1.6640, 21.2401



0.0159, 0.0066, 0.0737

Previews

White Background



This preview shows how the XYZ color 20.3898, 22.8953, 15.6565 looks on a white background.

Color Contrast Check

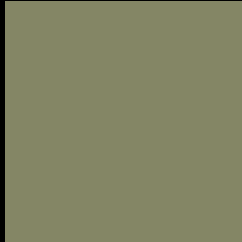
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3898, 22.8953, 15.6565 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

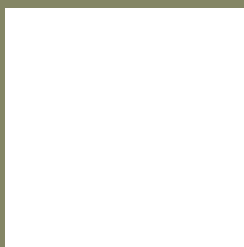
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3898, 22.8953, 15.6565

Background



This preview shows how black text looks on a background with the XYZ color 20.3898, 22.8953, 15.6565.



This preview shows how white text looks on a background with the XYZ color 20.3898, 22.8953,

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

20.3898, 22.8953, 15.6565

Protanopia

21.4011, 22.8154, 15.3325

Deuteranopia

23.2355, 22.7710, 16.0026



Tritanopia

22.8270, 22.8830, 27.6398

Trichromacy



Original Color

20.3898, 22.8953, 15.6565

Protanomaly

21.0327, 22.8259, 15.3539

Deuteranomaly

22.1026, 22.7708, 15.8006

Tritanomaly

21.8096, 22.8642, 22.6658

Monochromacy



Original Color

20.3898, 22.8953, 15.6565

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8061, 22.3898, 20.6778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3898, 22.8953, 15.6565 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(132, 134, 101)` looks like.

```
.text, #text, p{  
    color:rgb(132, 134, 101)  
}
```

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(132, 134, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 134, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.3898, 22.8953, 15.6565 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(132, 134, 101) }
```


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

```
.border{ border-color:rgb(132, 134, 101) }
```

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

Here you see how a box with a 4 pixel rgb(132, 134, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 134, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 134, 101);  
box-shadow:4px 4px 4px 4px rgb(132, 134,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3898, 22.8953, 15.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 134, 101) }
```

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

```
.background{ background-color: rgb(132,  
134, 101) }
```

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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