

Converting Colors

XYZ(20.5530, 21.9280, 15.0041)

Have a look what the booklet for
XYZ(20.5530, 21.9280, 15.0041)
contains.

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Color

**XYZ(20.5836, 22.0046,
14.9668)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8163
RGB	138, 129, 99
RGB Percent	54%, 51%, 39%
CMY	0.4588, 0.4941, 0.6118
CMYK	0.00, 0.07, 0.28, 0.46
HSL	46°, 16%, 46%
HSV	46°, 28%, 54%
XYZ	20.5836, 22.0046, 14.9668
YIQ	128.2710, 14.9940, -7.4220

Conversions

Conversions Part 2

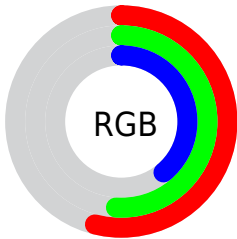
Format	Color
RYB	111, 138, 99
Decimal	9077091
CIELab	54.03, -1.60, 17.53
CIELCh	54, 17.600, 95.221
Yxy	22.0046, 0.3576, 0.3823
Android (android.graphics.Color)	4287267171 (0xFF8A8163)
YUV	128.2710, -14.4306, 8.5323
Hunter-Lab	46.9091, -3.7654, 13.9193

Details

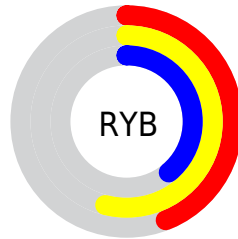
The XYZ color **20.5836, 22.0046, 14.9668** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0955, 15.2124, 26.1855**, and the grayscale version is **20.6573, 21.7331, 23.6673**.

A 20% lighter version of the original color is **43.9712, 46.8644, 35.5824**, and **7.4190, 8.0115, 4.4042** is the 20% darker color. If you saturate the color by 10%, you get **19.5668, 20.9381, 11.6464**, and if you desaturate by 10%, it is **21.7274, 23.1444, 18.8863**.

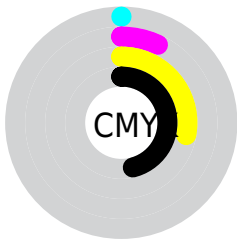
Distribution



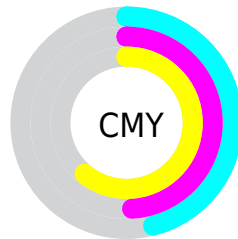
- Red (54%)
- Green (51%)
- Blue (39%)



- Red (44%)
- Yellow (54%)
- Blue (39%)



- Cyan (0%)
- Magenta (7%)
- Yellow (28%)
- Black (46%)



- Cyan (46%)
- Magenta (49%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5836, 22.0046, 14.9668 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 20.5836, 22.0046, 14.9668 by changing the saturation by 10% instead.

■ 20.5836, 22.0046,
14.9668

■ 20.5836, 22.0046,
14.9668

247.8310,
262.5703, 234.7990

■ 12.9307, 13.8603,
8.6497

■ 43.8900, 46.7536,
35.5364

■ 7.4575, 8.0236,
4.4197

■ 60.2742, 64.1271,
50.6260

■ 3.7987, 4.1100,
1.8583

■ 80.2996, 85.3457,
69.4769

■ 1.5889, 1.7353,
0.4660

■ 104.3314,
110.7939, 92.5076

■ 0.3852, 0.4464,
0.0000

132.7352,
140.8561, 120.1366

■ 0.0000, 0.0000,
0.0000

165.8761,

175.9166, 152.7825

204.1196,
216.3599, 190.8638

■ 20.5836, 22.0046,
14.9668

■ 20.5836, 22.0046,
14.9668

■ 19.5668, 20.9381,
11.6464

■ 21.7274, 23.1444,
18.8863

■ 18.6695, 19.9393,
8.8936

■ 23.0018, 24.3568,
23.4317

■ 17.8857, 19.0064,
6.6759

■ 24.4127, 25.6450,
28.6296

■ 17.2086, 18.1366,
4.9570

■ 25.9648, 27.0111,
34.5050

■ 16.6303, 17.3264,
3.6962

■ 27.6626, 28.4572,
41.0812

■ 16.1417, 16.5721,
2.8461

■ 29.5106, 29.9852,
48.3807

■ 15.7228, 15.8654,
2.3026

■ 31.5128, 31.5968,
56.4248

■ 15.6523, 15.7454,
2.2142

■ 33.6733, 33.2939,
65.2340

■ 35.9959, 35.0782,
74.8280

Harmonies

Analogous

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



22.4858, 22.0046, 15.6501



20.5836, 22.0046, 14.9668



18.8750, 22.0046, 16.3788

Triad

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



20.5836, 22.0046, 14.9668



18.0662, 22.0046, 30.5239



24.4152, 22.0046, 28.6243

Complementary

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



20.5836, 22.0046, 14.9668



15.0955, 15.2124, 26.1855

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.



23.0963, 22.0046, 33.5782



20.5836, 22.0046, 14.9668



19.4186, 22.0046, 34.7863

Square

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



20.5836, 22.0046, 14.9668



17.4790, 22.0046, 24.9253



21.2494, 22.0046, 35.9808



24.7735, 22.0046, 23.0185

Rectangle

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



20.5836, 22.0046, 14.9668



18.0515, 22.0046, 18.4660



21.2494, 22.0046, 35.9808



24.0657, 22.0046, 30.4463

Sweetspot

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



20.5842, 22.0056, 14.9673



40.5658, 42.9526, 41.3789



17.6554, 15.4120, 16.2598



9.0276, 9.5676, 9.0235



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.



20.5842, 22.0056, 14.9673



35.0988, 37.5577, 22.4799



20.1828, 23.6362, 15.3031



5.3349, 5.6526, 5.3623



14.3622, 14.4588, 2.0339



0.1064, 0.1181, 0.0172

Inverse Universe

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



15.0955, 15.2124, 26.1855



23.7572, 23.5240, 45.6716



15.4055, 14.0356, 25.9420



4.8622, 5.0674, 6.3277



4.6854, 2.6411, 22.3085



0.0407, 0.0367, 0.1514

Previews

White Background



This preview shows how the XYZ color 20.5836, 22.0046, 14.9668 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 20.5836, 22.0046, 14.9668 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 20.5836, 22.0046, 14.9668

Background



This preview shows how black text looks on a background with the XYZ color 20.5836, 22.0046, 14.9668.



This preview shows how white text looks on a background with the XYZ color 20.5836, 22.0046,

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

20.5836, 22.0046, 14.9668

Protanopia

20.5836, 22.0046, 14.9668

Deuteranopia

22.2704, 21.9147, 15.1128



Tritanopia

22.6661, 21.8873, 25.5843

Trichromacy



Original Color

20.5836, 22.0046, 14.9668

Protanomaly

20.5836, 22.0046, 14.9668

Deuteranomaly

21.6152, 21.9528, 15.1547

Tritanomaly

21.8965, 21.9649, 21.1747

Monochromacy



Original Color

20.5836, 22.0046, 14.9668

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4458, 21.6282, 19.9267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5836, 22.0046, 14.9668 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(138, 129, 99)` looks like.

```
.text, #text, p{  
    color:rgb(138, 129, 99)  
}
```

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(138, 129, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 129, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.5836, 22.0046, 14.9668 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(138, 129, 99) }
```


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

```
.border{ border-color:rgb(138, 129, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 129, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 129, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 129, 99);  
box-shadow:4px 4px 4px 4px rgb(138, 129,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5836, 22.0046, 14.9668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 129, 99) }
```

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

```
.background{ background-color: rgb(138,  
129, 99) }
```

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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