

Converting Colors

XYZ(21.7877, 24.8676, 12.6685)

Have a look what the booklet for
XYZ(21.7877, 24.8676, 12.6685)
contains.

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Color

**XYZ(21.9136, 25.0197,
12.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8C57
RGB	140, 140, 87
RGB Percent	55%, 55%, 34%
CMY	0.4510, 0.4510, 0.6588
CMYK	0.00, 0.00, 0.38, 0.45
HSL	60°, 23%, 45%
HSV	60°, 38%, 55%
XYZ	21.9136, 25.0197, 12.6911
YIQ	133.9580, 17.0130, -16.4830

Conversions

Conversions Part 2

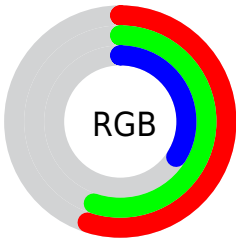
Format	Color
R_{YB}	87, 140, 87
Decimal	9210967
CIE _{Lab}	57.09, -8.47, 28.33
CIE _{LCh}	57, 29.568, 106.646
Yxy	25.0197, 0.3675, 0.4196
Android (android.graphics.Color)	4287401047 (0xFF8C8C57)
YUV	133.9580, -23.1503, 5.2988
Hunter-Lab	50.0197, -9.3337, 19.9706

Details

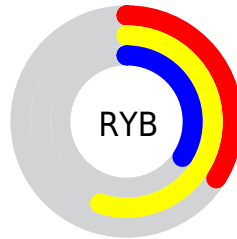
The XYZ color **21.9136, 25.0197, 12.6911** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.0731, 10.7366, 26.2484**, and the grayscale version is **22.7231, 23.9064, 26.0341**.

A 20% lighter version of the original color is **45.9055, 51.4442, 31.5550**, and **8.1590, 9.5894, 3.4284** is the 20% darker color. If you saturate the color by 10%, you get **21.3963, 24.8137, 9.9653**, and if you desaturate by 10%, it is **22.5431, 25.2724, 16.0023**.

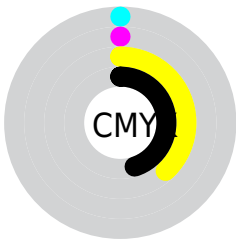
Distribution



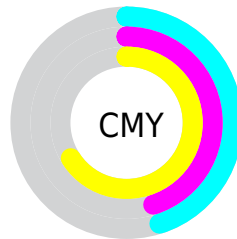
- Red (55%)
- Green (55%)
- Blue (34%)



- Red (34%)
- Yellow (55%)
- Blue (34%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (45%)



- Cyan (45%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9136, 25.0197, 12.6911 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 21.9136, 25.0197, 12.6911 by changing the saturation by 10% instead.

■ 21.9136, 25.0197,
12.6911

■ 21.9136, 25.0197,
12.6911

254.7356,
277.9360, 220.0662

■ 13.9097, 16.0917,
7.0880

■ 46.0831, 51.6892,
31.4307

■ 8.1392, 9.5891,
3.4379

■ 62.9793, 70.1995,
45.4043

■ 4.2367, 5.1274,
1.3223

■ 83.5704, 92.6727,
63.0051

■ 1.8369, 2.3222,
0.0800

■ 108.2217,
119.4932, 84.6516

■ 0.5397, 0.7854,
0.0000

■ 137.2985,
151.0454, 110.7625

■ 0.0000, 0.0000,
0.0000

171.1661,

187.7137, 141.7561

210.1901,
229.8824, 178.0512

■ 21.9136, 25.0197,
12.6911

■ 21.9136, 25.0197,
12.6911

■ 21.3963, 24.8137,
9.9653

■ 22.5431, 25.2724,
16.0023

■ 20.9830, 24.6483,
7.7894

■ 23.2888, 25.5707,
19.9285

■ 20.6671, 24.5219,
6.1266


■ 24.1569, 25.9180,
24.4992


■ 20.4406, 24.4313,
4.9347


■ 25.1526, 26.3163,
29.7416


■ 20.2943, 24.3728,
4.1651


■ 26.2807, 26.7675,
35.6812


 20.2094, 24.3388,
3.7188

 27.5458, 27.2736,
42.3424

 20.1929, 24.3322,
3.6323

 28.9523, 27.8362,
49.7481

 30.5044, 28.4570,
57.9204

 32.2061, 29.1377,
66.8806

Harmonies

Analogous

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



25.3606, 25.0197, 12.5205



21.9136, 25.0197, 12.6911



19.2367, 25.0197, 16.0850

Triad

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



21.9136, 25.0197, 12.6911



19.4739, 25.0197, 43.6988



30.9077, 25.0197, 31.9152

Complementary

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



21.9136, 25.0197, 12.6911



12.0731, 10.7366, 26.2484

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.



28.9886, 25.0197, 42.6399



21.9136, 25.0197, 12.6911



22.2674, 25.0197, 50.4817

Square

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



21.9136, 25.0197, 12.6911



17.9252, 25.0197, 33.1126



25.7505, 25.0197, 50.0527



30.7893, 25.0197, 22.1102

Rectangle

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



21.9136, 25.0197, 12.6911



18.1480, 25.0197, 20.3262



25.7505, 25.0197, 50.0527



30.4721, 25.0197, 35.5721

Sweetspot

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



21.9142, 25.0208, 12.6916



42.0464, 45.4757, 40.3420



15.9445, 13.0805, 10.7015



9.6465, 10.4619, 9.0744



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9142, 25.0208, 12.6916



37.8804, 43.8092, 18.4092



17.9739, 22.9895, 12.5072



5.4310, 5.8449, 5.3943



17.9413, 21.6191, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



12.0731, 10.7366, 26.2484



18.0719, 15.0573, 45.6968



15.0171, 12.2543, 26.3862



4.7747, 4.8923, 6.2985



4.2062, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.9136, 25.0197, 12.6911 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 21.9136, 25.0197, 12.6911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

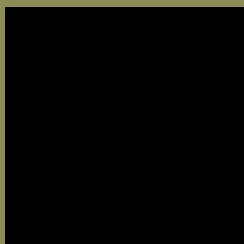
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9136, 25.0197, 12.6911

Background



This preview shows how black text looks on a background with the XYZ color 21.9136, 25.0197, 12.6911.



This preview shows how white text looks on a background with the XYZ color 21.9136, 25.0197,

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

21.9136, 25.0197, 12.6911

Protanopia

23.0198, 24.9528, 12.4072

Deuteranopia

25.4365, 24.9532, 12.9270



Tritanopia

25.4542, 24.9917, 29.8679

Trichromacy



Original Color

21.9136, 25.0197, 12.6911

Protanomaly

22.6223, 24.9598, 12.4295

Deuteranomaly

23.9969, 24.8227, 12.7590

Tritanomaly

23.8809, 24.9677, 22.2995

Monochromacy



Original Color

21.9136, 25.0197, 12.6911

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.1684, 24.1269, 20.3182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9136, 25.0197, 12.6911 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(140, 140, 87)` looks like.

```
.text, #text, p{  
    color:rgb(140, 140, 87)  
}
```

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(140, 140, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 140, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.9136, 25.0197, 12.6911 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(140, 140, 87) }
```


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

```
.border{ border-color:rgb(140, 140, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 140, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 140, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 140, 87);  
box-shadow:4px 4px 4px 4px rgb(140, 140,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9136, 25.0197, 12.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 140, 87) }
```

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

```
.background{ background-color: rgb(140,  
140, 87) }
```

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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