

Converting Colors

XYZ(20.9456, 24.0394, 12.3924)

Have a look what the booklet for
XYZ(20.9456, 24.0394, 12.3924)
contains.

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Color

**XYZ(20.9215, 24.0831,
12.3499)**

Conversions

Conversions Part 1

Format	Color
Hex	888A56
RGB	136, 138, 86
RGB Percent	53%, 54%, 34%
CMY	0.4667, 0.4588, 0.6627
CMYK	0.01, 0.00, 0.38, 0.46
HSL	62°, 23%, 44%
HSV	62°, 38%, 54%
XYZ	20.9215, 24.0831, 12.3499
YIQ	131.4740, 15.5000, -16.5960

Conversions

Conversions Part 2

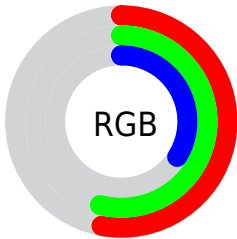
Format	Color
R_{YB}	86, 138, 88
Decimal	8948310
CIE Lab	56.17, -9.19, 27.62
CIE LCh	56, 29.108, 108.399
Yxy	24.0831, 0.3648, 0.4199
Android (android.graphics.Color)	4287138390 (0xFF888A56)
YUV	131.4740, -22.4187, 3.9693
Hunter-Lab	49.0745, -9.7822, 19.4315

Details

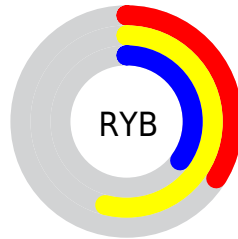
The XYZ color **20.9215, 24.0831, 12.3499** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.9407, 10.5659, 25.4563**, and the grayscale version is **21.8175, 22.9537, 24.9966**.

A 20% lighter version of the original color is **44.3099, 49.9863, 30.6055**, and **7.6022, 9.0572, 3.2670** is the 20% darker color. If you saturate the color by 10%, you get **20.3324, 23.8384, 9.6950**, and if you desaturate by 10%, it is **21.6196, 24.3732, 15.5714**.

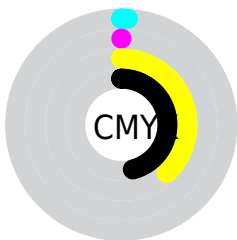
Distribution



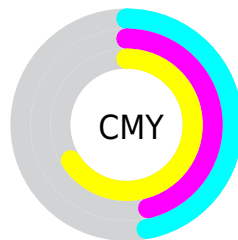
- Red (53%)
- Green (54%)
- Blue (34%)



- Red (34%)
- Yellow (54%)
- Blue (35%)



- Cyan (1%)
- Magenta (0%)
- Yellow (38%)
- Black (46%)



- Cyan (47%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9215, 24.0831, 12.3499 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 20.9215, 24.0831, 12.3499 by changing the saturation by 10% instead.

■ 20.9215, 24.0831,
12.3499

■ 20.9215, 24.0831,
12.3499

249.6006,
273.2403, 217.7676

■ 13.1788, 15.3953,
6.8570

■ 44.4491, 50.1658,
30.8047

■ 7.6296, 9.0973,
3.2958

■ 60.9647, 68.3294,
44.6036

■ 3.9087, 4.8047,
1.2476

■ 81.1353, 90.4204,
62.0084

■ 1.6506, 2.1331,
0.0182

■ 105.3262,
116.8233, 83.4374

■ 0.4250, 0.6832,
0.0000

■ 133.9029,
147.9223, 109.3094

■ 0.0000, 0.0000,
0.0000

167.2306,

184.1019, 140.0427

205.6747,
225.7464, 176.0559

■ 20.9215, 24.0831,
12.3499

■ 20.9215, 24.0831,
12.3499

■ 20.3324, 23.8384,
9.6950

■ 21.6196, 24.3732,
15.5714

■ 19.8444, 23.6332,
7.5724

■ 22.4306, 24.7077,
19.3880

■ 19.4511, 23.4661,
5.9467

■ 23.3605, 25.0897,
23.8281

■ 19.1449, 23.3338,
4.7774

■ 24.4142, 25.5213,
28.9179

■ 18.9169, 23.2328,
4.0177

■ 25.5963, 26.0044,
34.6821

■ 18.7492, 23.1560,
3.5732

■ 26.9114, 26.5407,
41.1441

■ 18.7123, 23.1390,
3.4800

■ 28.3637, 27.1319,
48.3261

■ 29.9571, 27.7796,
56.2494

■ 31.6957, 28.4855,
64.9344

Harmonies

Analogous

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



24.2069, 24.0831, 12.0112



20.9215, 24.0831, 12.3499



18.4137, 24.0831, 15.8037

Triad

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



20.9215, 24.0831, 12.3499



18.8836, 24.0831, 42.5308



29.7791, 24.0831, 30.1000

Complementary

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



20.9215, 24.0831, 12.3499



11.9407, 10.5659, 25.4563

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.



28.0392, 24.0831, 40.4364



20.9215, 24.0831, 12.3499



21.6222, 24.0831, 48.6950

Square

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



20.9215, 24.0831, 12.3499



17.3185, 24.0831, 32.4700



24.9788, 24.0831, 47.8468



29.5447, 24.0831, 20.8324

Rectangle

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



20.9215, 24.0831, 12.3499



17.4207, 24.0831, 20.0143



24.9788, 24.0831, 47.8468



29.3994, 24.0831, 33.5974

Sweetspot

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



20.9221, 24.0842, 12.3504



40.5676, 43.9733, 39.0891



15.6296, 13.0115, 10.4921



9.0567, 9.8456, 8.5647



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.



20.9221, 24.0842, 12.3504



36.0030, 42.0861, 17.8245



17.2328, 22.1823, 12.1777



5.4123, 5.8353, 5.3935



17.1584, 21.2154, 3.1906



0.1167, 0.1424, 0.0213

Inverse Universe

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



11.9407, 10.5659, 25.4563



17.8675, 14.7850, 44.2952



14.8208, 12.0506, 25.5911



4.7913, 4.9008, 6.2993



4.2700, 1.7154, 22.1517



0.0304, 0.0124, 0.1473

Previews

White Background



This preview shows how the XYZ color 20.9215, 24.0831, 12.3499 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 20.9215, 24.0831, 12.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

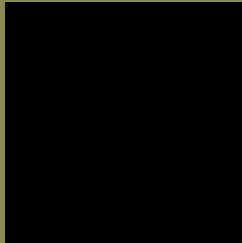
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9215, 24.0831, 12.3499

Background



This preview shows how black text looks on a background with the XYZ color 20.9215, 24.0831, 12.3499.



This preview shows how white text looks on a background with the XYZ color 20.9215, 24.0831,

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

20.9215, 24.0831, 12.3499

Protanopia

22.3363, 24.1869, 12.0856

Deuteranopia

24.5120, 24.0865, 12.5898



Tritanopia

24.3265, 24.0252, 28.9464

Trichromacy



Original Color

20.9215, 24.0831, 12.3499

Protanomaly

21.7715, 24.1038, 12.0994

Deuteranomaly

23.1084, 23.9630, 12.4242

Tritanomaly

22.8532, 24.0308, 21.8463

Monochromacy



Original Color

20.9215, 24.0831, 12.3499

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2925, 23.2745, 19.5899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9215, 24.0831, 12.3499 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(136, 138, 86)` looks like.

```
.text, #text, p{  
    color:rgb(136, 138, 86)  
}
```

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(136, 138, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 138, 86) }
```

Border

The CSS property to change the border of an element to XYZ 20.9215, 24.0831, 12.3499 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(136, 138, 86) }
```


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

```
.border{ border-color:rgb(136, 138, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 138, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 138, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 138, 86);  
box-shadow:4px 4px 4px 4px rgb(136, 138,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9215, 24.0831, 12.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 138, 86) }
```

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

```
.background{ background-color: rgb(136,  
138, 86) }
```

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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