

Converting Colors

XYZ(24.8639, 24.4210, 5.6888)

Have a look what the booklet for
XYZ(24.8639, 24.4210, 5.6888)
contains.

XYZ(24.8639, 24.4210, 5.6888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8639, 24.4210,
5.6888)**

Conversions

Conversions Part 1

Format	Color
Hex	AA812B
RGB	170, 129, 43
RGB Percent	67%, 51%, 17%
CMY	0.3333, 0.4941, 0.8314
CMYK	0.00, 0.24, 0.75, 0.33
HSL	41°, 60%, 42%
HSV	41°, 75%, 67%
XYZ	24.8639, 24.4210, 5.6888
YIQ	131.4550, 52.0420, -18.0540

Conversions

Conversions Part 2

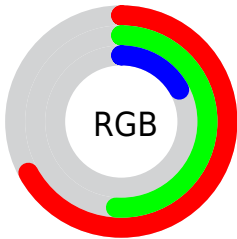
Format	Color
R_{YB}	104, 170, 43
Decimal	11174187
CIE _{Lab}	56.51, 7.25, 50.24
CIE _{LCh}	57, 50.764, 81.792
Yxy	24.4210, 0.4523, 0.4442
Android (android.graphics.Color)	4289364267 (0xFFAA812B)
YUV	131.4550, -43.6083, 33.8040
Hunter-Lab	49.4176, 3.3294, 27.7670

Details

The XYZ color **24.8639, 24.4210, 5.6888** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.4222, 9.7563, 39.3111**, and the grayscale version is **21.8753, 23.0145, 25.0628**.

A 20% lighter version of the original color is **51.0614, 50.9221, 17.7274**, and **9.8081, 9.3147, 1.2810** is the 20% darker color. If you saturate the color by 10%, you get **23.9112, 22.9152, 4.1403**, and if you desaturate by 10%, it is **25.9865, 26.0589, 7.9357**.

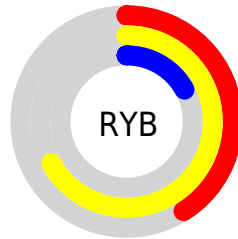
Distribution



Red (67%)

Green (51%)

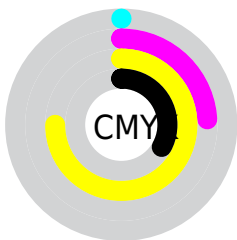
Blue (17%)



Red (41%)

Yellow (67%)

Blue (17%)

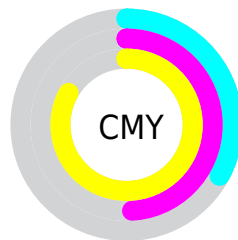


Cyan (0%)

Magenta (24%)

Yellow (75%)

Black (33%)



Cyan (33%)


Magenta (49%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8639, 24.4210, 5.6888 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 24.8639, 24.4210, 5.6888 by changing the saturation by 10% instead.


 24.8639, 24.4210,
5.6888


 24.8639, 24.4210,
5.6888


269.5196,
274.9421, 165.4692


 16.1039, 15.6462,
2.5911


 50.8808, 50.7163,
17.7478


 9.6890, 9.2742,
0.8878


 68.8684, 69.0057,
27.5463


 5.2539, 4.9204,
0.0000

 90.6626, 91.2353,
40.4153

 2.4333, 2.2007,
0.0000

 116.6288,
117.7897, 56.7736

 0.8617, 0.7204,
0.0000

 147.1322,
149.0532, 77.0395

 0.0000, 0.0000,
0.0000

 182.5382,

185.4101, 101.6317

223.2122,
227.2449, 130.9688

■ 24.8639, 24.4210,
5.6888

■ 24.8639, 24.4210,
5.6888

■ 23.9112, 22.9152,
4.1403

■ 25.9865, 26.0589,
7.9357

■ 23.1087, 21.5295,
3.1962

■ 27.2923, 27.8322,
10.9555

■ 22.7223, 20.8356,
2.8241

■ 28.7950, 29.7482,
14.8147

■ 30.5063, 31.8126,
19.5724

■ 32.4369, 34.0305,
25.2821

■ 34.5967, 36.4066,
31.9930

■ 36.9948, 38.9457,
39.7512

■ 39.6400, 41.6519,
48.5997

■ 42.5404, 44.5293,
58.5792

Harmonies

Analogous

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



30.9336, 24.4210, 8.3949



24.8639, 24.4210, 5.6888



19.2606, 24.4210, 6.4281

Triad

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



24.8639, 24.4210, 5.6888



14.2135, 24.4210, 40.5197



33.2816, 24.4210, 52.0790

Complementary

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



24.8639, 24.4210, 5.6888



11.4222, 9.7563, 39.3111

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.



27.6687, 24.4210, 69.4343



24.8639, 24.4210, 5.6888



16.8950, 24.4210, 61.0290

Square

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



24.8639, 24.4210, 5.6888



13.7200, 24.4210, 22.2287



21.6338, 24.4210, 73.2630



36.3023, 24.4210, 31.4881

Rectangle

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



24.8639, 24.4210, 5.6888



16.4602, 24.4210, 9.0133



21.6338, 24.4210, 73.2630



31.5945, 24.4210, 58.7908

Sweetspot

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



24.8645, 24.4222, 5.6893



59.7194, 62.7131, 48.5143



19.0945, 10.9352, 9.7687



13.0987, 13.7403, 10.1510



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.8645, 24.4222, 5.6893



42.3492, 39.8132, 6.2211



27.1748, 35.2976, 7.6667



7.9397, 8.3594, 7.9843



16.7669, 15.4311, 2.0948



0.4513, 0.4621, 0.0654

Inverse Universe

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



11.4222, 9.7563, 39.3111



16.8786, 12.1964, 70.4664



10.2450, 5.7259, 38.5952



7.3222, 7.6813, 9.5151



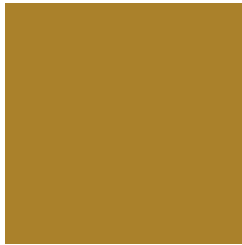
6.3838, 4.2279, 28.4551



0.2013, 0.1949, 0.7077

Previews

White Background



This preview shows how the XYZ color 24.8639, 24.4210, 5.6888 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 24.8639, 24.4210, 5.6888 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 24.8639, 24.4210, 5.6888

Background



This preview shows how black text looks on a background with the XYZ color 24.8639, 24.4210, 5.6888.



This preview shows how white text looks on a background with the XYZ color 24.8639, 24.4210,

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

24.8639, 24.4210, 5.6888

Protanopia

22.2267, 24.4732, 6.0349

Deuteranopia

24.8639, 24.4210, 5.6888



Tritanopia

28.7711, 24.5166, 24.3349

Trichromacy



Original Color

24.8639, 24.4210, 5.6888

Protanomaly

23.1402, 24.3278, 5.8590

Deuteranomaly

24.8639, 24.4210, 5.6888

Tritanomaly

26.8678, 24.2958, 14.8287

Monochromacy



Original Color

24.8639, 24.4210, 5.6888

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9118, 22.8859, 15.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8639, 24.4210, 5.6888 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(170, 129, 43)` looks like.

```
.text, #text, p{  
    color:rgb(170, 129, 43)  
}
```

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(170, 129, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 129, 43) }
```

Border

The CSS property to change the border of an element to XYZ 24.8639, 24.4210, 5.6888 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(170, 129, 43) }
```


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

```
.border{ border-color:rgb(170, 129, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 129, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 129, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 129, 43);  
box-shadow:4px 4px 4px 4px rgb(170, 129,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8639, 24.4210, 5.6888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 129, 43) }
```

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

```
.background{ background-color: rgb(170,  
129, 43) }
```

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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