

Converting Colors

XYZ(24.1622, 24.2210, 3.8315)

Have a look what the booklet for
XYZ(24.1622, 24.2210, 3.8315)
contains.

XYZ(24.2103, 24.3218, 3.8340)	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(24.2103, 24.3218,
3.8340)**

Conversions

Conversions Part 1

Format	Color
Hex	A8820E
RGB	168, 130, 14
RGB Percent	66%, 51%, 5%
CMY	0.3412, 0.4902, 0.9451
CMYK	0.00, 0.23, 0.92, 0.34
HSL	45°, 85%, 36%
HSV	45°, 92%, 66%
XYZ	24.2103, 24.3218, 3.8340
YIQ	128.1380, 59.8840, -28.0200

Conversions

Conversions Part 2

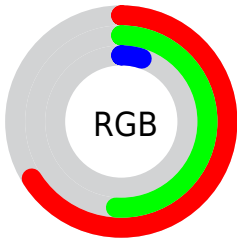
Format	Color
R_{YB}	64, 168, 14
Decimal	11043342
CIE _{Lab}	56.41, 4.84, 59.29
CIE _{LCh}	56, 59.487, 85.329
Yxy	24.3218, 0.4623, 0.4645
Android (android.graphics.Color)	4289233422 (0xFFA8820E)
YUV	128.1380, -56.2700, 34.9590
Hunter-Lab	49.3171, 1.3225, 29.9127

Details

The XYZ color **24.2103, 24.3218, 3.8340** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.4771, 5.3766, 37.6364**, and the grayscale version is **20.7413, 21.8215, 23.7636**.

A 20% lighter version of the original color is **49.8481, 50.6923, 13.6359**, and **9.4980, 9.2644, 1.2876** is the 20% darker color. If you saturate the color by 10%, you get **23.6795, 23.3872, 3.2661**, and if you desaturate by 10%, it is **24.9389, 25.5143, 4.8933**.

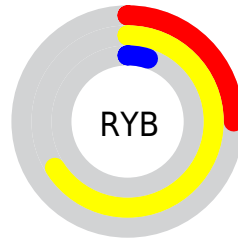
Distribution



Red (66%)

Green (51%)

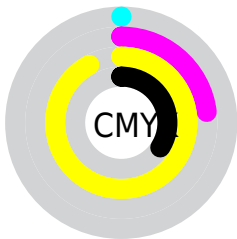
Blue (5%)



Red (25%)

Yellow (66%)

Blue (5%)

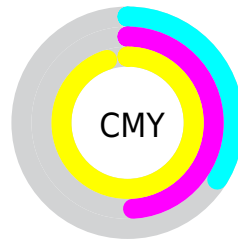


Cyan (0%)

Magenta (23%)

Yellow (92%)

Black (34%)



Cyan (34%)


Magenta (49%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2103, 24.3218, 3.8340 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 24.2103, 24.3218, 3.8340 by changing the saturation by 10% instead.


 24.2103, 24.3218,
3.8340


 24.2103, 24.3218,
3.8340


266.3028,
274.4434, 146.3620


 15.6153, 15.5725,
1.5347


 49.8253, 50.5548,
13.6251


 9.3414, 9.2222,
0.2436


 67.5761, 68.8073,
21.9539


 5.0234, 4.8864,
0.0000

 89.1094, 90.9964,
33.1298

 2.2959, 2.1807,
0.0000

 114.7907,
117.5064, 47.5711

 0.7926, 0.7095,
0.0000

 144.9854,
148.7216, 65.6964

 0.0000, 0.0000,
0.0000

 180.0587,

185.0267, 87.9243

220.3760,
226.8058, 114.6733

24.2103, 24.3218,
3.8340

24.2103, 24.3218,
3.8340

23.6795, 23.3872,
3.2661

24.9389, 25.5143,
4.8933

25.8045, 26.7966,
6.5662

26.8239, 28.1767,
8.9363

28.0105, 29.6605,
12.0740

29.3764, 31.2531,
16.0410

■ 30.9322, 32.9592,
20.8928

■ 32.6878, 34.7831,
26.6798

■ 34.6523, 36.7288,
33.4488

■ 36.8342, 38.8000,
41.2435

Harmonies

Analogous

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



31.4812, 24.3218, 5.9554



24.2103, 24.3218, 3.8340



17.9107, 24.3218, 4.8866

Triad

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



24.2103, 24.3218, 3.8340



13.1097, 24.3218, 46.2037



35.7814, 24.3218, 54.3817

Complementary

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



24.2103, 24.3218, 3.8340



8.4771, 5.3766, 37.6364

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.



29.2458, 24.3218, 77.5513



24.2103, 24.3218, 3.8340



16.3836, 24.3218, 71.4112

Square

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



24.2103, 24.3218, 3.8340



12.2870, 24.3218, 23.5177



22.0574, 24.3218, 84.9677



38.9526, 24.3218, 29.6861

Rectangle

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



24.2103, 24.3218, 3.8340



14.9335, 24.3218, 7.7882



22.0574, 24.3218, 84.9677



33.8491, 24.3218, 63.0073

Sweetspot

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



24.2108, 24.3230, 3.8345



57.4142, 61.1627, 42.0781



16.9367, 8.8915, 4.1323



12.2950, 13.1006, 8.4589



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.2108, 24.3230, 3.8345



42.7936, 42.0864, 5.8680



23.2114, 32.7431, 5.5124



7.9878, 8.4556, 8.0004



17.9238, 17.7449, 2.4804



0.4727, 0.5051, 0.0726

Inverse Universe

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



8.4771, 5.3766, 37.6364



14.1499, 7.7787, 67.9807



8.6672, 3.8849, 37.3384



7.2766, 7.5901, 9.4999



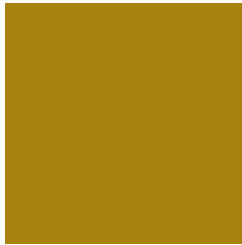
5.9832, 3.4266, 28.3215



0.1845, 0.1612, 0.7020

Previews

White Background



This preview shows how the XYZ color 24.2103, 24.3218, 3.8340 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 24.2103, 24.3218, 3.8340 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 24.2103, 24.3218, 3.8340

Background



This preview shows how black text looks on a background with the XYZ color 24.2103, 24.3218, 3.8340.



This preview shows how white text looks on a background with the XYZ color 24.2103, 24.3218,

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

24.2103, 24.3218, 3.8340

Protanopia

22.0346, 24.4180, 4.0420

Deuteranopia

24.7384, 24.3959, 3.8952



Tritanopia

28.3222, 24.2851, 24.3138

Trichromacy



Original Color

24.2103, 24.3218, 3.8340

Protanomaly

22.7119, 24.3538, 3.9556

Deuteranomaly

24.5140, 24.2811, 3.8466

Tritanomaly

25.9824, 23.8905, 12.4744

Monochromacy



Original Color

24.2103, 24.3218, 3.8340

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8982, 22.2283, 12.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2103, 24.3218, 3.8340 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(168, 130, 14)` looks like.

```
.text, #text, p{  
    color:rgb(168, 130, 14)  
}
```

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(168, 130, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 130, 14) }
```

Border

The CSS property to change the border of an element to XYZ 24.2103, 24.3218, 3.8340 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(168, 130, 14) }
```


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

```
.border{ border-color:rgb(168, 130, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 130, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 130, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 130, 14);  
box-shadow:4px 4px 4px 4px rgb(168, 130,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2103, 24.3218, 3.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 130, 14) }
```

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

```
.background{ background-color: rgb(168,  
130, 14) }
```

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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