

Converting Colors

XYZ(23.2042, 23.8072, 12.6048)

Have a look what the booklet for
XYZ(23.2042, 23.8072, 12.6048)
contains.

XYZ(23.2042, 23.8072, 12.6048)	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(23.2042, 23.8072,
12.6048)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8358
RGB	154, 131, 88
RGB Percent	60%, 51%, 35%
CMY	0.3961, 0.4863, 0.6549
CMYK	0.00, 0.15, 0.43, 0.40
HSL	39°, 27%, 47%
HSV	39°, 43%, 60%
XYZ	23.2042, 23.8072, 12.6048
YIQ	132.9750, 27.5110, -8.4970

Conversions

Conversions Part 2

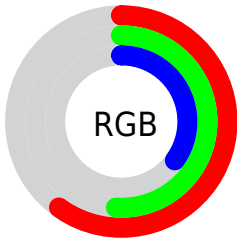
Format	Color
R_{YB}	123, 154, 88
Decimal	10126168
CIE _{Lab}	55.89, 2.61, 26.48
CIE _{LCh}	56, 26.610, 84.375
Yxy	23.8072, 0.3892, 0.3993
Android (android.graphics.Color)	4288316248 (0xFF9A8358)
YUV	132.9750, -22.1727, 18.4389
Hunter-Lab	48.7926, -0.4982, 18.8382

Details

The XYZ color **23.2042, 23.8072, 12.6048** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5416, 15.7762, 32.7979**, and the grayscale version is **22.3569, 23.5212, 25.6146**.

A 20% lighter version of the original color is **48.3063, 49.8176, 31.1145**, and **8.7844, 8.9614, 3.3646** is the 20% darker color. If you saturate the color by 10%, you get **21.9305, 22.1751, 9.3586**, and if you desaturate by 10%, it is **24.6512, 25.5701, 16.5741**.

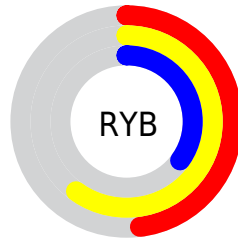
Distribution



Red (60%)

Green (51%)

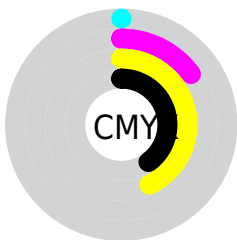
Blue (35%)



Red (48%)

Yellow (60%)

Blue (35%)

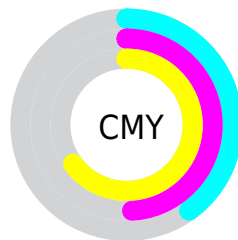


Cyan (0%)

Magenta (15%)

Yellow (43%)

Black (40%)



Cyan (40%)

Magenta (49%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2042, 23.8072, 12.6048 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 23.2042, 23.8072, 12.6048 by changing the saturation by 10% instead.

■ 23.2042, 23.8072,
12.6048

■ 23.2042, 23.8072,
12.6048

261.2879,
271.8443, 219.4873

■ 14.8659, 15.1907,
7.0295

■ 48.1926, 49.7154,
31.2726

■ 8.8110, 8.9533,
3.4018

■ 65.5734, 67.7758,
45.2022

■ 4.6742, 4.7107,
1.3033

■ 86.6991, 89.7531,
62.7537

■ 2.0902, 2.0786,
0.0645

■ 111.9349,
116.0314, 84.3455

■ 0.6839, 0.6525,
0.0000

■ 141.6464,
146.9953, 110.3962

■ 0.0000, 0.0000,
0.0000

176.1988,

183.0292, 141.3244

215.9575,
224.5174, 177.5485

■ 23.2042, 23.8072,
12.6048

■ 23.2042, 23.8072,
12.6048

■ 21.9305, 22.1751,
9.3586

■ 24.6512, 25.5701,
16.5741

■ 20.8193, 20.6660,
6.7889

■ 26.2780, 27.4646,
21.3065

■ 19.8609, 19.2759,
4.8457

■ 28.0931, 29.4959,
26.8406

■ 19.0439, 17.9994,
3.4715

■ 30.1037, 31.6677,
33.2121

■ 18.3548, 16.8300,
2.5978

■ 32.3166, 33.9836,
40.4543

■ 17.9164, 16.0500,
2.1537

■ 34.7382, 36.4469,
48.5988

■ 37.3748, 39.0609,
57.6758

■ 40.2323, 41.8287,
67.7139

■ 43.3163, 44.7534,
78.7403

Harmonies

Analogous

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



26.1960, 23.8072, 14.5823



23.2042, 23.8072, 12.6048



20.3066, 23.8072, 13.4954

Triad

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



23.2042, 23.8072, 12.6048



17.7230, 23.8072, 33.4402



27.7046, 23.8072, 36.9125

Complementary

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



23.2042, 23.8072, 12.6048



15.5416, 15.7762, 32.7979

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.



25.1200, 23.8072, 44.2952



23.2042, 23.8072, 12.6048



19.3997, 23.8072, 41.9974

Square

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



23.2042, 23.8072, 12.6048



17.3086, 23.8072, 24.3199



22.0615, 23.8072, 46.3379



28.9389, 23.8072, 27.5930

Rectangle

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



23.2042, 23.8072, 12.6048



18.7913, 23.8072, 15.7267



22.0615, 23.8072, 46.3379



26.9543, 23.8072, 39.7792

Sweetspot

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



23.2048, 23.8083, 12.6053



50.8932, 53.4276, 48.3224



19.6911, 14.9996, 16.9255



11.3579, 11.9146, 10.4378



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.2048, 23.8083, 12.6053



40.0199, 40.5215, 17.4441



24.8362, 29.7542, 13.6670



6.5276, 6.8604, 6.5860



14.6313, 13.1449, 1.7661



0.2525, 0.2640, 0.0377

Inverse Universe

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



15.5416, 15.7762, 32.7979



24.3052, 24.0657, 58.9004



14.3489, 11.9040, 32.1133



6.0517, 6.3608, 7.8378



5.8449, 4.0864, 25.3884



0.1193, 0.1249, 0.3902

Previews

White Background



This preview shows how the XYZ color 23.2042, 23.8072, 12.6048 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 23.2042, 23.8072, 12.6048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

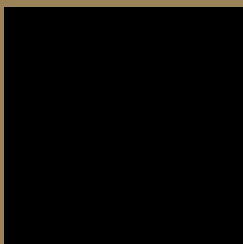
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2042, 23.8072, 12.6048

Background



This preview shows how black text looks on a background with the XYZ color 23.2042, 23.8072, 12.6048.



This preview shows how white text looks on a background with the XYZ color 23.2042, 23.8072,

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

23.2042, 23.8072, 12.6048

Protanopia

22.0053, 23.7912, 12.8836

Deuteranopia

24.2203, 23.7367, 12.7563



Tritanopia

26.0049, 23.7874, 26.1425

Trichromacy



Original Color

23.2042, 23.8072, 12.6048

Protanomaly

22.4034, 23.7922, 12.8628

Deuteranomaly

23.7540, 23.6909, 12.7720

Tritanomaly

24.7640, 23.6548, 20.4002

Monochromacy



Original Color

23.2042, 23.8072, 12.6048

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4467, 23.4496, 20.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2042, 23.8072, 12.6048 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(154, 131, 88)` looks like.

```
.text, #text, p{  
    color:rgb(154, 131, 88)  
}
```

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(154, 131, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 131, 88) }
```

Border

The CSS property to change the border of an element to XYZ 23.2042, 23.8072, 12.6048 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(154, 131, 88) }
```


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

```
.border{ border-color:rgb(154, 131, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 131, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 131, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 131, 88);  
box-shadow:4px 4px 4px 4px rgb(154, 131,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2042, 23.8072, 12.6048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 131, 88) }
```

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

```
.background{ background-color: rgb(154,  
131, 88) }
```

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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