

Converting Colors

XYZ(22.9987, 21.3561, 5.1013)

Have a look what the booklet for
XYZ(22.9987, 21.3561, 5.1013)
contains.

XYZ(23.0448, 21.4489, 5.1159)	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(23.0448, 21.4489,
5.1159)**

Conversions

Conversions Part 1

Format	Color
Hex	A8762A
RGB	168, 118, 42
RGB Percent	66%, 46%, 16%
CMY	0.3412, 0.5372, 0.8353
CMYK	0.00, 0.30, 0.75, 0.34
HSL	36°, 60%, 41%
HSV	36°, 75%, 66%
XYZ	23.0448, 21.4489, 5.1159
YIQ	124.2860, 54.1960, -13.0360

Conversions

Conversions Part 2

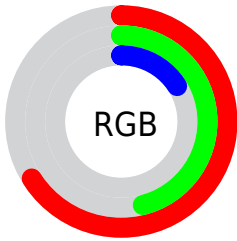
Format	Color
R_{YB}	125, 168, 42
Decimal	11040298
CIE Lab	53.44, 12.48, 47.55
CIE LCh	53, 49.161, 75.293
Yxy	21.4489, 0.4645, 0.4324
Android (android.graphics.Color)	4289230378 (0xFFA8762A)
YUV	124.2860, -40.5670, 38.3372
Hunter-Lab	46.3130, 7.7719, 25.8697

Details

The XYZ color **23.0448, 21.4489, 5.1159** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.8496, 10.9731, 38.5390**, and the grayscale version is **19.3728, 20.3817, 22.1957**.

A 20% lighter version of the original color is **47.9850, 45.8531, 16.4467**, and **8.7457, 7.7598, 1.0368** is the 20% darker color. If you saturate the color by 10%, you get **22.0475, 19.8388, 3.5984**, and if you desaturate by 10%, it is **24.2246, 23.2225, 7.3164**.

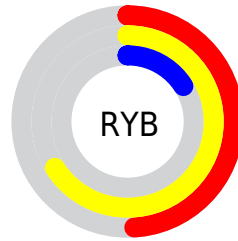
Distribution



Red (66%)

Green (46%)

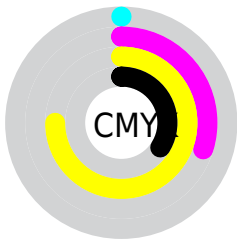
Blue (16%)



Red (49%)

Yellow (66%)

Blue (16%)

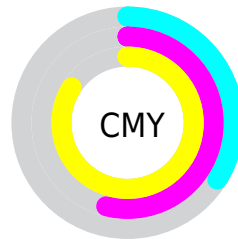


Cyan (0%)

Magenta (30%)

Yellow (75%)

Black (34%)



Cyan (34%)


Magenta (54%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0448, 21.4489, 5.1159 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 23.0448, 21.4489, 5.1159 by changing the saturation by 10% instead.


 23.0448, 21.4489,
5.1159


 23.0448, 21.4489,
5.1159


260.4861,
259.6546, 159.9211


 14.7475, 13.4525,
2.2555


 47.9330, 45.8334,
16.5110


 8.7275, 7.7409,
0.7061


 65.2546, 62.9904,
25.8828


 4.6196, 3.9296,
0.0000

 86.3149, 83.9697,
38.2622

 2.0583, 1.6343,
0.0000

 111.4794,
109.1557, 54.0676

 0.6664, 0.3805,
0.0000

 141.1134,
138.9328, 73.7177

 0.0000, 0.0000,
0.0000

 175.5823,

173.6853, 97.6309

215.2514,
213.7978, 126.2259

■ 23.0448, 21.4489,
5.1159

■ 23.0448, 21.4489,
5.1159

■ 22.0475, 19.8388,
3.5984

■ 24.2246, 23.2225,
7.3164

■ 21.2127, 18.3798,
2.6709

■ 25.6007, 25.1643,
10.2730

■ 20.8350, 17.6981,
2.3180

■ 27.1866, 27.2824,
14.0507

■ 28.9944, 29.5831,
18.7069

■ 31.0349, 32.0724,
24.2941

■ 33.3183, 34.7560,
30.8604

■ 35.8539, 37.6393,
38.4506

■ 38.6505, 40.7271,
47.1069

■ 41.7167, 44.0245,
56.8688

Harmonies

Analogous

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



28.3016, 21.4489, 8.2938



23.0448, 21.4489, 5.1159



17.8501, 21.4489, 5.1436

Triad

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



23.0448, 21.4489, 5.1159



12.1507, 21.4489, 31.7939



28.3921, 21.4489, 50.0034

Complementary

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



23.0448, 21.4489, 5.1159



11.8496, 10.9731, 38.5390

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.



23.1526, 21.4489, 63.5494



23.0448, 21.4489, 5.1159



14.1046, 21.4489, 50.3495

Square

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



23.0448, 21.4489, 5.1159



12.1319, 21.4489, 16.7850



17.9410, 21.4489, 63.6979



31.7286, 21.4489, 31.4464

Rectangle

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



23.0448, 21.4489, 5.1159



15.1159, 21.4489, 6.8628



17.9410, 21.4489, 63.6979



26.7587, 21.4489, 55.5868

Sweetspot

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



23.0453, 21.4500, 5.1163



57.3501, 59.4301, 47.0035



18.9257, 10.7606, 11.2968



12.2768, 12.6875, 9.6142



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.



23.0453, 21.4500, 5.1163



38.9707, 34.2098, 5.3047



28.0149, 35.1804, 7.5046



7.8933, 8.2667, 7.9689



15.7849, 13.4671, 1.7675



0.4319, 0.4234, 0.0590

Inverse Universe

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



11.8496, 10.9731, 38.5390



17.7357, 14.4614, 69.0816



9.4497, 5.2842, 37.5674



7.3669, 7.7708, 9.5300



6.8852, 5.2306, 28.6222



0.2177, 0.2277, 0.7131

Previews

White Background



This preview shows how the XYZ color 23.0448, 21.4489, 5.1159 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 23.0448, 21.4489, 5.1159 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 23.0448, 21.4489, 5.1159

Background



This preview shows how black text looks on a background with the XYZ color 23.0448, 21.4489, 5.1159.



This preview shows how white text looks on a background with the XYZ color 23.0448, 21.4489,

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

23.0448, 21.4489, 5.1159

Protanopia

19.5205, 21.4674, 5.5974

Deuteranopia

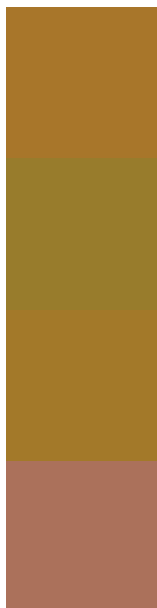
21.8570, 21.5527, 5.1059



Tritanopia

26.1393, 21.3680, 20.1995

Trichromacy



Original Color

23.0448, 21.4489, 5.1159

Protanomaly

20.6112, 21.2726, 5.4026

Deuteranomaly

22.3419, 21.6214, 5.0936

Tritanomaly

24.5880, 21.2235, 12.6981

Monochromacy



Original Color

23.0448, 21.4489, 5.1159

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.7951, 20.3027, 13.4652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0448, 21.4489, 5.1159 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, 118, 42)` looks like.

```
.text, #text, p{  
    color:rgb(168, 118, 42)  
}
```

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, 118, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 118, 42) }
```

Border

The CSS property to change the border of an element to XYZ 23.0448, 21.4489, 5.1159 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, 118, 42) }
```


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

```
.border{ border-color:rgb(168, 118, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 118, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 118, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 118, 42);  
box-shadow:4px 4px 4px 4px rgb(168, 118,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0448, 21.4489, 5.1159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 118, 42) }
```

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

```
.background{ background-color: rgb(168,  
118, 42) }
```

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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