

Converting Colors

XYZ(23.1780, 21.1608, 4.7824)

Have a look what the booklet for
XYZ(23.1780, 21.1608, 4.7824)
contains.

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Color

**XYZ(23.1892, 21.1833,
4.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7427
RGB	170, 116, 39
RGB Percent	67%, 45%, 15%
CMY	0.3333, 0.5451, 0.8471
CMYK	0.00, 0.32, 0.77, 0.33
HSL	35°, 63%, 41%
HSV	35°, 77%, 67%
XYZ	23.1892, 21.1833, 4.7860
YIQ	123.3680, 56.9010, -12.4990

Conversions

Conversions Part 2

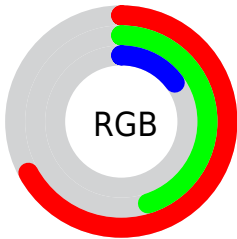
Format	Color
R_{YB}	131, 170, 39
Decimal	11170855
CIE _{Lab}	53.15, 14.37, 48.64
CIE _{LCh}	53, 50.719, 73.539
Yxy	21.1833, 0.4717, 0.4309
Android (android.graphics.Color)	4289360935 (0xFFAA7427)
YUV	123.3680, -41.5934, 40.8963
Hunter-Lab	46.0253, 9.3904, 26.0524

Details

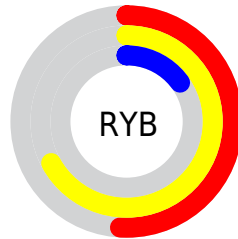
The XYZ color **23.1892, 21.1833, 4.7860** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.0066, 11.1619, 39.5517**, and the grayscale version is **19.0691, 20.0621, 21.8477**.

A 20% lighter version of the original color is **48.1612, 45.4015, 15.8978**, and **8.8772, 7.6450, 1.0077** is the 20% darker color. If you saturate the color by 10%, you get **22.1907, 19.5407, 3.3613**, and if you desaturate by 10%, it is **24.3758, 23.0004, 6.8964**.

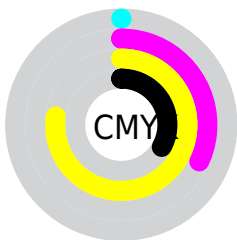
Distribution



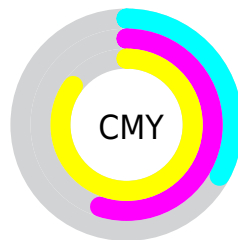
- Red (67%)
- Green (45%)
- Blue (15%)



- Red (51%)
- Yellow (67%)
- Blue (15%)



- Cyan (0%)
- Magenta (32%)
- Yellow (77%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1892, 21.1833, 4.7860 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 23.1892, 21.1833, 4.7860 by changing the saturation by 10% instead.


 23.1892, 21.1833,
4.7860


 23.1892, 21.1833,
4.7860


261.2125,
258.2510, 156.5977


 14.8547, 13.2581,
2.0657


 48.1682, 45.3924,
15.7854


 8.8032, 7.6065,
0.5953


 65.5434, 62.4450,
24.9016


 4.6691, 3.8442,
0.0000

 86.6629, 83.3089,
36.9868

 2.0872, 1.5868,
0.0000

 111.8921,
108.3685, 52.4596

 0.6822, 0.3487,
0.0000

 141.5963,
138.0081, 71.7386

 0.0000, 0.0000,
0.0000

 176.1409,

172.6121, 95.2422

215.8911,
212.5649, 123.3891

■ 23.1892, 21.1833,
4.7860

■ 23.1892, 21.1833,
4.7860

■ 22.1907, 19.5407,
3.3613

■ 24.3758, 23.0004,
6.8964

■ 21.3553, 18.0578,
2.5036

■ 25.7653, 24.9974,
9.7707

■ 21.1278, 17.6467,
2.2926

■ 27.3724, 27.1830,
13.4775

■ 29.2097, 29.5641,
18.0774

■ 31.2888, 32.1475,
23.6254

■ 33.6203, 34.9390,
30.1720

■ 36.2142, 37.9446,
37.7640

■ 39.0798, 41.1697,
46.4452

■ 42.2260, 44.6196,
56.2572

Harmonies

Analogous

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



28.5417, 21.1833, 8.1494



23.1892, 21.1833, 4.7860



17.8224, 21.1833, 4.6512

Triad

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



23.1892, 21.1833, 4.7860



11.7034, 21.1833, 30.6656



28.0767, 21.1833, 51.6602

Complementary

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



23.1892, 21.1833, 4.7860



12.0066, 11.1619, 39.5517

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.



22.6375, 21.1833, 65.1513



23.1892, 21.1833, 4.7860



13.5646, 21.1833, 49.8650

Square

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



23.1892, 21.1833, 4.7860



11.7981, 21.1833, 15.6891



17.3598, 21.1833, 64.3782



31.6872, 21.1833, 32.4518

Rectangle

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



23.1892, 21.1833, 4.7860



14.9724, 21.1833, 6.2012



17.3598, 21.1833, 64.3782



26.3636, 21.1833, 57.3285

Sweetspot

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



23.1897, 21.1844, 4.7864



58.2565, 60.1280, 46.9759



19.3049, 10.7979, 11.5589



12.6703, 13.0200, 9.5875



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.



23.1897, 21.1844, 4.7864



39.2341, 33.6462, 4.9880



29.0555, 36.2753, 7.3901



7.8837, 8.2475, 7.9657



15.5978, 13.0929, 1.7051



0.4281, 0.4157, 0.0577

Inverse Universe

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



12.0066, 11.1619, 39.5517



18.1486, 14.8704, 70.9156



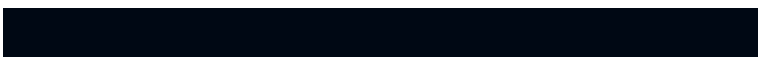
9.2926, 5.0295, 38.5111



7.3763, 7.7895, 9.5331



7.0041, 5.4684, 28.6618



0.2211, 0.2345, 0.7143

Previews

White Background



This preview shows how the XYZ color 23.1892, 21.1833, 4.7860 looks on a white background.

Color Contrast Check

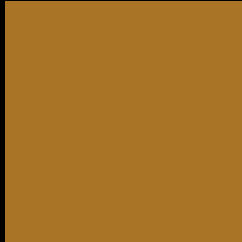
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1892, 21.1833, 4.7860 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 23.1892, 21.1833, 4.7860

Background



This preview shows how black text looks on a background with the XYZ color 23.1892, 21.1833, 4.7860.



This preview shows how white text looks on a background with the XYZ color 23.1892, 21.1833,

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

23.1892, 21.1833, 4.7860

Protanopia

19.4648, 21.4451, 5.3039

Deuteranopia

21.6685, 21.2819, 4.7160



Tritanopia

26.2526, 21.1234, 19.5232

Trichromacy



Original Color

23.1892, 21.1833, 4.7860

Protanomaly

20.7448, 21.3477, 5.1250

Deuteranomaly

22.2565, 21.2261, 4.7577

Tritanomaly

24.7212, 20.9744, 12.1967

Monochromacy



Original Color

23.1892, 21.1833, 4.7860

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4635, 19.7811, 12.9175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1892, 21.1833, 4.7860 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, 116, 39)` looks like.

```
.text, #text, p{  
    color:rgb(170, 116, 39)  
}
```

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, 116, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 39) }
```

Border

The CSS property to change the border of an element to XYZ 23.1892, 21.1833, 4.7860 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, 116, 39) }
```


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

```
.border{ border-color:rgb(170, 116, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 116, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 39);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1892, 21.1833, 4.7860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 39) }
```

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

```
.background{ background-color: rgb(170,  
116, 39) }
```

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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