

Converting Colors

XYZ(21.8638, 23.7927, 3.9383)

Have a look what the booklet for
XYZ(21.8638, 23.7927, 3.9383)
contains.

XYZ(21.8075, 23.6825, 3.9120)	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(21.8075, 23.6825,
3.9120)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8510
RGB	154, 133, 16
RGB Percent	60%, 52%, 6%
CMY	0.3961, 0.4784, 0.9372
CMYK	0.00, 0.14, 0.90, 0.40
HSL	51°, 81%, 33%
HSV	51°, 90%, 60%
XYZ	21.8075, 23.6825, 3.9120
YIQ	125.9410, 50.0730, -31.9350

Conversions

Conversions Part 2

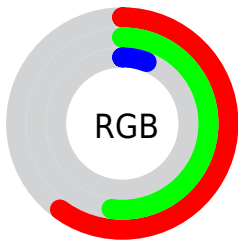
Format	Color
R_{YB}	41, 154, 16
Decimal	10126608
CIE Lab	55.77, -3.25, 57.74
CIE LCh	56, 57.835, 93.221
Yxy	23.6825, 0.4414, 0.4794
Android (android.graphics.Color)	4288316688 (0xFF9A8510)
YUV	125.9410, -54.2009, 24.6077
Hunter-Lab	48.6647, -5.1742, 29.2991

Details

The XYZ color **21.8075, 23.6825, 3.9120** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.7081, 3.7666, 30.9451**, and the grayscale version is **19.9785, 21.0189, 22.8896**.

A 20% lighter version of the original color is **45.9803, 49.6229, 13.8114**, and **8.3159, 8.9933, 1.2976** is the 20% darker color. If you saturate the color by 10%, you get **21.4005, 23.0130, 3.3315**, and if you desaturate by 10%, it is **22.2916, 24.3961, 4.8586**.

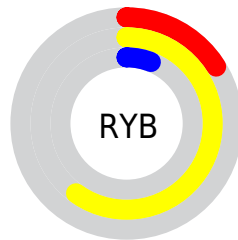
Distribution



Red (60%)

Green (52%)

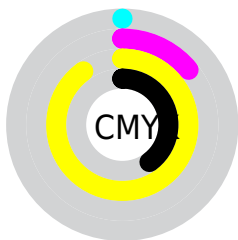
Blue (6%)



Red (16%)

Yellow (60%)

Blue (6%)

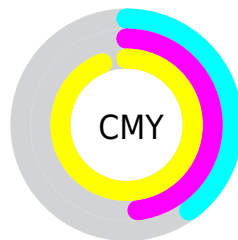


Cyan (0%)

Magenta (14%)

Yellow (90%)

Black (40%)



Cyan (40%)

Magenta (48%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8075, 23.6825, 3.9120 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 21.8075, 23.6825, 3.9120 by changing the saturation by 10% instead.

■ 21.8075, 23.6825,
3.9120

■ 21.8075, 23.6825,
3.9120

254.1906,
271.2114, 147.2422

■ 13.8313, 15.0983,
1.5772

■ 45.9089, 49.5116,
13.8063

■ 8.0844, 8.8884,
0.2745

■ 62.7648, 67.5252,
22.2029

■ 4.2012, 4.6684,
0.0000

■ 83.3113, 89.4508,
33.4571

■ 1.8166, 2.0541,
0.0000

■ 107.9138,
115.6727, 47.9875

■ 0.5276, 0.6386,
0.0000

■ 136.9376,
146.5753, 66.2127

■ 0.0000, 0.0000,
0.0000

■ 170.7481,

182.5430, 88.5512

209.7107,
223.9602, 115.4215

21.8075, 23.6825,
3.9120

21.8075, 23.6825,
3.9120

21.4005, 23.0130,
3.3315

22.2916, 24.3961,
4.8586

21.3849, 22.9870,
3.3098

22.8797, 25.1619,
6.3198

23.5845, 25.9860,
8.3600

24.4165, 26.8727,
11.0340

25.3850, 27.8256,
14.3904

■ 26.4983, 28.8483,
18.4727

■ 27.7640, 29.9438,
23.3211

■ 29.1892, 31.1151,
28.9726

■ 30.7805, 32.3649,
35.4620

Harmonies

Analogous

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



28.6903, 23.6825, 5.1025



21.8075, 23.6825, 3.9120



16.2769, 23.6825, 5.8240

Triad

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



21.8075, 23.6825, 3.9120



13.5136, 23.6825, 51.1017



35.7665, 23.6825, 45.7481

Complementary

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



21.8075, 23.6825, 3.9120



6.7081, 3.7666, 30.9451

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.



30.1592, 23.6825, 69.4027



21.8075, 23.6825, 3.9120



17.2870, 23.6825, 73.4086

Square

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



21.8075, 23.6825, 3.9120



12.1109, 23.6825, 27.8718



23.2264, 23.6825, 81.3535



37.6140, 23.6825, 23.8073

Rectangle

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



21.8075, 23.6825, 3.9120



13.8360, 23.6825, 9.6309



23.2264, 23.6825, 81.3535



34.2115, 23.6825, 54.0579

Sweetspot

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



21.8080, 23.6836, 3.9125



48.5882, 52.8055, 35.2594



13.8780, 7.3873, 2.6144



10.8427, 11.8146, 7.3980



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.



21.8080, 23.6836, 3.9125



38.7337, 41.5302, 5.9747



17.8337, 26.3368, 4.6340



6.6288, 7.0627, 6.6197



17.4437, 18.7697, 2.7035



0.2798, 0.3187, 0.0468

Inverse Universe

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



6.7081, 3.7666, 30.9451



11.0765, 5.2001, 55.9562



8.0050, 3.7281, 30.8694



5.9566, 6.1706, 7.8061



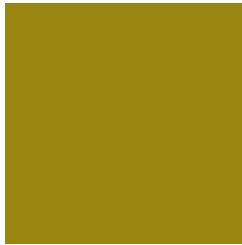
5.0265, 2.4497, 25.1156



0.0921, 0.0705, 0.3811

Previews

White Background



This preview shows how the XYZ color 21.8075, 23.6825, 3.9120 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 21.8075, 23.6825, 3.9120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

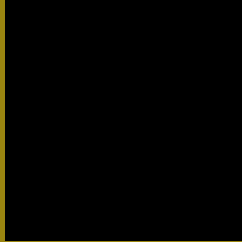
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8075, 23.6825, 3.9120

Background



This preview shows how black text looks on a background with the XYZ color 21.8075, 23.6825, 3.9120.



This preview shows how white text looks on a background with the XYZ color 21.8075, 23.6825,

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

21.8075, 23.6825, 3.9120

Protanopia

21.3811, 23.6669, 3.9315

Deuteranopia

24.0964, 23.6717, 4.0581



Tritanopia

26.1392, 23.6858, 25.3844

Trichromacy



Original Color

21.8075, 23.6825, 3.9120

Protanomaly

21.5675, 23.7630, 3.9402

Deuteranomaly

23.2864, 23.6435, 3.9982

Tritanomaly

23.5354, 23.1860, 12.9078

Monochromacy



Original Color

21.8075, 23.6825, 3.9120

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6833, 21.6066, 11.9372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8075, 23.6825, 3.9120 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, 133, 16)` looks like.

```
.text, #text, p{  
    color:rgb(154, 133, 16)  
}
```

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, 133, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 133, 16) }
```

Border

The CSS property to change the border of an element to XYZ 21.8075, 23.6825, 3.9120 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, 133, 16) }
```


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

```
.border{ border-color:rgb(154, 133, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 133, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 133, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 133, 16);  
box-shadow:4px 4px 4px 4px rgb(154, 133,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8075, 23.6825, 3.9120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 133, 16) }
```

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

```
.background{ background-color: rgb(154,  
133, 16) }
```

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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