

Converting Colors

XYZ(21.9291, 23.8464, 10.0623)

Have a look what the booklet for
XYZ(21.9291, 23.8464, 10.0623)
contains.

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Color

**XYZ(21.8277, 23.7612,
10.0925)**

Conversions

Conversions Part 1

Format	Color
Hex	93864B
RGB	147, 134, 75
RGB Percent	58%, 53%, 29%
CMY	0.4235, 0.4745, 0.7059
CMYK	0.00, 0.09, 0.49, 0.42
HSL	49°, 32%, 44%
HSV	49°, 49%, 58%
XYZ	21.8277, 23.7612, 10.0925
YIQ	131.1610, 26.6870, -15.5930

Conversions

Conversions Part 2

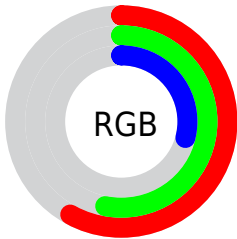
Format	Color
R_{YB}	91, 147, 75
Decimal	9668171
CIE Lab	55.85, -3.50, 33.36
CIE LCh	56, 33.546, 95.985
Yxy	23.7612, 0.3920, 0.4267
Android (android.graphics.Color)	4287858251 (0xFF93864B)
YUV	131.1610, -27.6874, 13.8908
Hunter-Lab	48.7455, -5.3742, 21.8461

Details

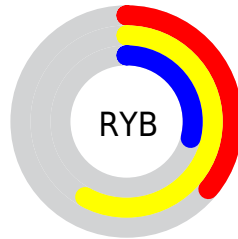
The XYZ color **21.8277, 23.7612, 10.0925** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.6577, 10.5815, 29.0317**, and the grayscale version is **21.7206, 22.8518, 24.8856**.

A 20% lighter version of the original color is **45.8291, 49.5779, 26.5561**, and **8.0742, 8.9605, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **21.0197, 22.8594, 7.6213**, and if you desaturate by 10%, it is **22.7624, 24.7302, 13.1801**.

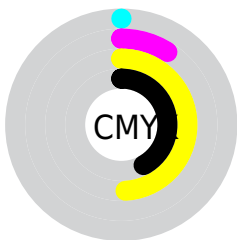
Distribution



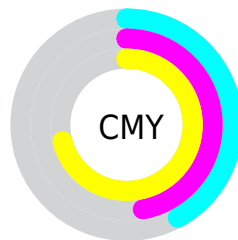
- Red (58%)
- Green (53%)
- Blue (29%)



- Red (36%)
- Yellow (58%)
- Blue (29%)



- Cyan (0%)
- Magenta (9%)
- Yellow (49%)
- Black (42%)



- Cyan (42%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8277, 23.7612, 10.0925 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 21.8277, 23.7612, 10.0925 by changing the saturation by 10% instead.

■ 21.8277, 23.7612,
10.0925

■ 21.8277, 23.7612,
10.0925

254.2945,
271.6110, 201.8397

■ 13.8462, 15.1566,
5.3539

■ 45.9420, 49.6402,
26.5799

■ 8.0948, 8.9293,
2.3940

■ 62.8056, 67.6834,
39.1657

■ 4.2080, 4.6951,
0.7832

■ 83.3606, 89.6416,
55.2045

■ 1.8205, 2.0695,
0.0000

■ 107.9724,
115.8991, 75.1146

■ 0.5299, 0.6474,
0.0000

■ 137.0063,
146.8405, 99.3146

■ 0.0000, 0.0000,
0.0000

170.8278,

182.8499, 128.2231

209.8020,
224.3120, 162.2587

■ 21.8277, 23.7612,
10.0925

■ 21.8277, 23.7612,
10.0925

■ 21.0197, 22.8594,
7.6213

■ 22.7624, 24.7302,
13.1801

■ 20.3283, 22.0180,
5.7223

■ 23.8294, 25.7660,
16.9213

■ 19.7451, 21.2343,
4.3475

■ 25.0361, 26.8727,
21.3521

■ 19.2591, 20.5040,
3.4407

■ 26.3889, 28.0528,
26.5056

■ 18.8462, 19.8172,
2.8749

■ 27.8936, 29.3089,
32.4125

■ 18.8052, 19.7483,
2.8207

■ 29.5558, 30.6431,
39.1020

■ 31.3808, 32.0579,
46.6014

■ 33.3737, 33.5552,
54.9371

■ 35.5391, 35.1371,
64.1339

Harmonies

Analogous

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



25.7047, 23.7612, 11.0303



21.8277, 23.7612, 10.0925



18.5407, 23.7612, 12.3189

Triad

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



21.8277, 23.7612, 10.0925



17.1511, 23.7612, 40.2911



29.9733, 23.7612, 35.4034

Complementary

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



21.8277, 23.7612, 10.0925



11.6577, 10.5815, 29.0317

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.



27.1768, 23.7612, 46.8785



21.8277, 23.7612, 10.0925



19.7272, 23.7612, 50.2117

Square

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



21.8277, 23.7612, 10.0925



16.0433, 23.7612, 28.1259



23.3582, 23.7612, 52.9113



30.6979, 23.7612, 23.7417

Rectangle

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



21.8277, 23.7612, 10.0925



17.0309, 23.7612, 15.8052



23.3582, 23.7612, 52.9113



29.2301, 23.7612, 39.5011

Sweetspot

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



21.8283, 23.7623, 10.0930



45.6945, 48.8856, 41.4727



16.3186, 11.9433, 10.7215



10.3278, 11.0684, 9.0769



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.8283, 23.7623, 10.0930



37.4795, 40.7462, 13.1749



20.0449, 25.6754, 10.5563



6.1773, 6.5685, 6.1827



16.3195, 17.1533, 2.4508



0.2184, 0.2473, 0.0362

Inverse Universe

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



11.6577, 10.5815, 29.0317



17.0483, 14.2919, 51.2946



12.7982, 9.7245, 28.8062



5.5792, 5.7923, 7.2937



4.9103, 2.5154, 24.1578



0.0759, 0.0623, 0.3009

Previews

White Background



This preview shows how the XYZ color 21.8277, 23.7612, 10.0925 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 21.8277, 23.7612, 10.0925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

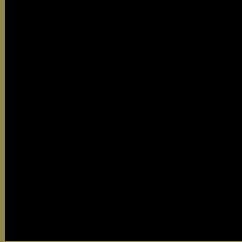
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8277, 23.7612, 10.0925

Background



This preview shows how black text looks on a background with the XYZ color 21.8277, 23.7612, 10.0925.



This preview shows how white text looks on a background with the XYZ color 21.8277, 23.7612,

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

21.8277, 23.7612, 10.0925

Protanopia

21.8277, 23.7612, 10.0925

Deuteranopia

24.1279, 23.7467, 10.1494



Tritanopia

25.2416, 23.7572, 26.9221

Trichromacy



Original Color

21.8277, 23.7612, 10.0925

Protanomaly

21.8277, 23.7612, 10.0925

Deuteranomaly

23.1918, 23.6552, 10.1810

Tritanomaly

23.7824, 23.7595, 19.2522

Monochromacy



Original Color

21.8277, 23.7612, 10.0925

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.4370, 22.9686, 18.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8277, 23.7612, 10.0925 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(147, 134, 75)` looks like.

```
.text, #text, p{  
    color:rgb(147, 134, 75)  
}
```

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(147, 134, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 134, 75) }
```

Border

The CSS property to change the border of an element to XYZ 21.8277, 23.7612, 10.0925 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(147, 134, 75) }
```


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

```
.border{ border-color:rgb(147, 134, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 134, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 134, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 134, 75);  
box-shadow:4px 4px 4px 4px rgb(147, 134,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8277, 23.7612, 10.0925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 134, 75) }
```

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

```
.background{ background-color: rgb(147,  
134, 75) }
```

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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