

Converting Colors

XYZ(21.3146, 23.3186, 4.5728)

Have a look what the booklet for
XYZ(21.3146, 23.3186, 4.5728)
contains.

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Color

**XYZ(21.3844, 23.4481,
4.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	97851E
RGB	151, 133, 30
RGB Percent	59%, 52%, 12%
CMY	0.4078, 0.4784, 0.8823
CMYK	0.00, 0.12, 0.80, 0.41
HSL	51°, 67%, 35%
HSV	51°, 80%, 59%
XYZ	21.3844, 23.4481, 4.6272
YIQ	126.6400, 43.7910, -28.2170

Conversions

Conversions Part 2

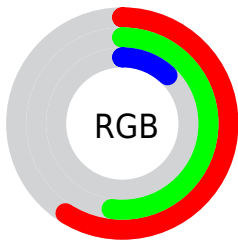
Format	Color
RYB	51, 151, 30
Decimal	9930014
CIELab	55.53, -4.22, 53.54
CIELCh	56, 53.701, 94.505
Yxy	23.4481, 0.4324, 0.4741
Android (android.graphics.Color)	4288120094 (0xFF97851E)
YUV	126.6400, -47.6435, 21.3637
Hunter-Lab	48.4232, -5.9125, 28.2307

Details

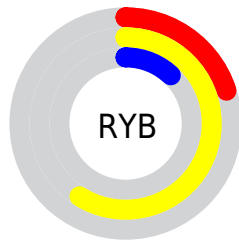
The XYZ color **21.3844, 23.4481, 4.6272** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.1784, 4.6244, 29.7923**, and the grayscale version is **20.1976, 21.2494, 23.1406**.

A 20% lighter version of the original color is **45.1716, 49.1678, 15.4970**, and **7.9942, 8.8274, 1.2825** is the 20% darker color. If you saturate the color by 10%, you get **20.9319, 22.7812, 3.7424**, and if you desaturate by 10%, it is **21.9370, 24.1673, 6.0018**.

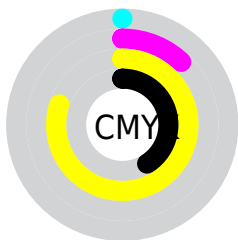
Distribution



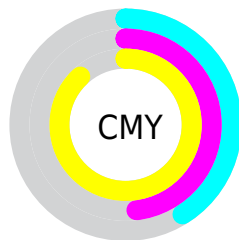
- Red (59%)
- Green (52%)
- Blue (12%)



- Red (20%)
- Yellow (59%)
- Blue (12%)



- Cyan (0%)
- Magenta (12%)
- Yellow (80%)
- Black (41%)





- Cyan (41%)
- Magenta (48%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3844, 23.4481, 4.6272 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 21.3844, 23.4481, 4.6272 by changing the saturation by 10% instead.


 21.3844, 23.4481,
4.6272


 21.3844, 23.4481,
4.6272


252.0076,
270.0182, 154.9606


 13.5193, 14.9247,
1.9754


 45.2129, 49.1281,
15.4322


 7.8666, 8.7666,
0.5401


 61.9070, 67.0535,
24.4225

 4.0608, 4.5892,
0.0000


 82.2749, 88.8816,
36.3626

 1.7366, 2.0083,
0.0000

 106.6818,
114.9970, 51.6712

 0.4790, 0.6123,
0.0000

 135.4932,
145.7839, 70.7668

 0.0000, 0.0000,
0.0000

 169.0744,

181.6269, 94.0678

207.7907,
222.9102, 121.9929

21.3844, 23.4481,
4.6272

21.3844, 23.4481,
4.6272

20.9319, 22.7812,
3.7424

21.9370, 24.1673,
6.0018

20.5524, 22.1593,
3.1939

22.5998, 24.9403,
7.9262

23.3833, 25.7722,
10.4535

24.2963, 26.6666,
13.6301

25.3469, 27.6268,
17.4976

■ 26.5423, 28.6558,
22.0945

■ 27.8894, 29.7564,
27.4563

■ 29.3944, 30.9311,
33.6161

■ 31.0633, 32.1824,
40.6051

Harmonies

Analogous

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



27.6843, 23.4481, 5.7091



21.3844, 23.4481, 4.6272



16.3194, 23.4481, 6.7297

Triad

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



21.3844, 23.4481, 4.6272



14.0017, 23.4481, 49.4672



34.5371, 23.4481, 42.7447

Complementary

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



21.3844, 23.4481, 4.6272



7.1784, 4.6244, 29.7923

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.



29.5558, 23.4481, 64.0561



21.3844, 23.4481, 4.6272



17.6407, 23.4481, 69.0162

Square

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



21.3844, 23.4481, 4.6272



12.5766, 23.4481, 28.2415



23.2141, 23.4481, 75.2998



36.0284, 23.4481, 22.9997

Rectangle

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



21.3844, 23.4481, 4.6272



14.0865, 23.4481, 10.6497



23.2141, 23.4481, 75.2998



33.1760, 23.4481, 50.2038

Sweetspot

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



21.3849, 23.4492, 4.6277



46.5701, 50.5021, 35.8218



13.7635, 7.7227, 3.5782



10.4264, 11.3414, 7.5353



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.3849, 23.4492, 4.6277



36.9600, 39.9217, 5.9832



17.5648, 25.4560, 5.2164



6.6306, 7.0663, 6.6203



17.5008, 18.8840, 2.7226



0.2803, 0.3197, 0.0469

Inverse Universe

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



7.1784, 4.6244, 29.7923



10.7295, 5.3072, 52.8926



8.7492, 4.5545, 29.6960



5.9550, 6.1673, 7.8055



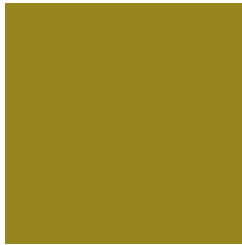
5.0177, 2.4320, 25.1127



0.0916, 0.0696, 0.3810

Previews

White Background



This preview shows how the XYZ color 21.3844, 23.4481, 4.6272 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 21.3844, 23.4481, 4.6272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

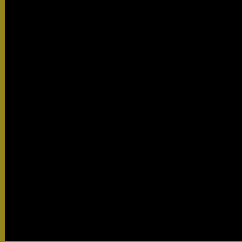
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3844, 23.4481, 4.6272

Background



This preview shows how black text looks on a background with the XYZ color 21.3844, 23.4481, 4.6272.



This preview shows how white text looks on a background with the XYZ color 21.3844, 23.4481,

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

21.3844, 23.4481, 4.6272

Protanopia

21.1995, 23.3528, 4.6185

Deuteranopia

23.6717, 23.2470, 4.6783



Tritanopia

25.6113, 23.4056, 25.7221

Trichromacy



Original Color

21.3844, 23.4481, 4.6272

Protanomaly

21.1995, 23.3528, 4.6185

Deuteranomaly

22.8089, 23.3819, 4.6775

Tritanomaly

23.2183, 22.9918, 14.2805

Monochromacy



Original Color

21.3844, 23.4481, 4.6272

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9354, 21.7075, 13.2645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3844, 23.4481, 4.6272 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(151, 133, 30)` looks like.

```
.text, #text, p{  
    color:rgb(151, 133, 30)  
}
```

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(151, 133, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 133, 30) }
```

Border

The CSS property to change the border of an element to XYZ 21.3844, 23.4481, 4.6272 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(151, 133, 30) }
```


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

```
.border{ border-color:rgb(151, 133, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 133, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 133, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 133, 30);  
box-shadow:4px 4px 4px 4px rgb(151, 133,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3844, 23.4481, 4.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 133, 30) }
```

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

```
.background{ background-color: rgb(151,  
133, 30) }
```

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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