

Converting Colors

XYZ(21.3009, 19.5816, 4.1494)

Have a look what the booklet for
XYZ(21.3009, 19.5816, 4.1494)
contains.

XYZ(21.1872, 19.4904, 4.1587)	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(21.1872, 19.4904,
4.1587)**

Conversions

Conversions Part 1

Format	Color
Hex	A37022
RGB	163, 112, 34
RGB Percent	64%, 44%, 13%
CMY	0.3608, 0.5608, 0.8667
CMYK	0.00, 0.31, 0.79, 0.36
HSL	36°, 65%, 39%
HSV	36°, 79%, 64%
XYZ	21.1872, 19.4904, 4.1587
YIQ	118.3570, 55.4340, -13.4460

Conversions

Conversions Part 2

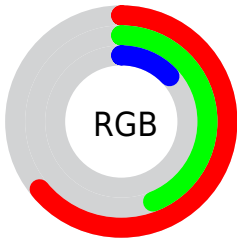
Format	Color
RYB	118, 163, 34
Decimal	10711074
CIELab	51.26, 13.27, 48.60
CIElCh	51, 50.384, 74.729
Yxy	19.4904, 0.4725, 0.4347
Android (android.graphics.Color)	4288901154 (0xFFA37022)
YUV	118.3570, -41.5880, 39.1519
Hunter-Lab	44.1479, 8.4057, 25.3185

Details

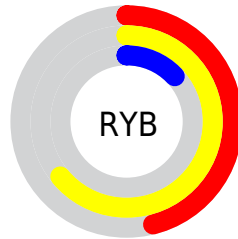
The XYZ color **21.1872, 19.4904, 4.1587** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.5189, 9.4810, 35.9258**, and the grayscale version is **17.4468, 18.3554, 19.9891**.

A 20% lighter version of the original color is **45.0394, 42.7364, 14.4694**, and **7.8968, 6.7926, 0.8949** is the 20% darker color. If you saturate the color by 10%, you get **20.3199, 18.0470, 2.9720**, and if you desaturate by 10%, it is **22.2178, 21.0821, 5.9502**.

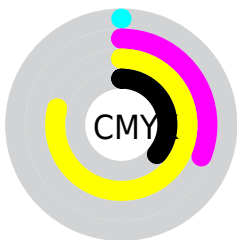
Distribution



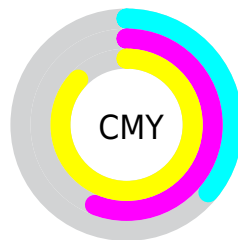
- Red (64%)
- Green (44%)
- Blue (13%)



- Red (46%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (31%)
- Yellow (79%)
- Black (36%)



- Cyan (36%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1872, 19.4904, 4.1587 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 21.1872, 19.4904, 4.1587 by changing the saturation by 10% instead.

■ 21.1872, 19.4904,
4.1587

■ 21.1872, 19.4904,
4.1587

250.9846,
249.1428, 149.9733

■ 13.3741, 12.0252,
1.7128

■ 44.8878, 42.5611,
14.3741

■ 7.7655, 6.7608,
0.3695

■ 61.5061, 58.9354,
22.9808

■ 3.9958, 3.3130,
0.0000

■ 81.7901, 79.0482,
34.4781

■ 1.6997, 1.2972,
0.0000

■ 106.1053,
103.2838, 49.2846

■ 0.4561, 0.1391,
0.0000

■ 134.8170,
132.0267, 67.8188

■ 0.0000, 0.0000,
0.0000

■ 168.2906,

165.6612, 90.4993

206.8913,
204.5718, 117.7446

21.1872, 19.4904,
4.1587

21.1872, 19.4904,
4.1587

20.3199, 18.0470,
2.9720

22.2178, 21.0821,
5.9502

19.5848, 16.7355,
2.2383

23.4254, 22.8269,
8.4193

19.5247, 16.6276,
2.1804

24.8232, 24.7325,
11.6294

26.4229, 26.8049,
15.6364

28.2348, 29.0501,
20.4907

■ 30.2686, 31.4731,
26.2385

■ 32.5332, 34.0792,
32.9227

■ 35.0372, 36.8730,
40.5832

■ 37.7884, 39.8591,
49.2579

Harmonies

Analogous

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



26.2692, 19.4904, 7.1002



21.1872, 19.4904, 4.1587



16.1761, 19.4904, 4.1359

Triad

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



21.1872, 19.4904, 4.1587



10.6658, 19.4904, 29.0606



26.1879, 19.4904, 47.5647

Complementary

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



21.1872, 19.4904, 4.1587



10.5189, 9.4810, 35.9258

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.



21.0910, 19.4904, 60.7920



21.1872, 19.4904, 4.1587



12.4754, 19.4904, 47.2490

Square

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



21.1872, 19.4904, 4.1587



10.6821, 19.4904, 14.7380



16.0958, 19.4904, 60.6557



29.4925, 19.4904, 29.3729

Rectangle

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



21.1872, 19.4904, 4.1587



13.5492, 19.4904, 5.6393



16.0958, 19.4904, 60.6557



24.5906, 19.4904, 53.0407

Sweetspot

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



21.1876, 19.4914, 4.1591



52.2260, 54.0236, 41.3257



17.3400, 9.5962, 9.6585



11.4575, 11.8067, 8.5200



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.1876, 19.4914, 4.1591



35.3822, 30.5154, 4.3293



25.9820, 32.8033, 6.4758



7.4133, 7.7650, 7.4882



15.2196, 13.0131, 1.7096



0.3640, 0.3618, 0.0506

Inverse Universe

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



10.5189, 9.4810, 35.9258



15.6340, 12.1280, 63.5731



8.3507, 4.3905, 35.0575



6.9195, 7.2979, 8.9470



6.6238, 5.0270, 27.5510



0.1845, 0.1964, 0.5940

Previews

White Background



This preview shows how the XYZ color 21.1872, 19.4904, 4.1587 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 21.1872, 19.4904, 4.1587 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 21.1872, 19.4904, 4.1587

Background



This preview shows how black text looks on a background with the XYZ color 21.1872, 19.4904, 4.1587.



This preview shows how white text looks on a background with the XYZ color 21.1872, 19.4904,

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

21.1872, 19.4904, 4.1587

Protanopia

17.7334, 19.6179, 4.6022

Deuteranopia

19.8325, 19.4651, 4.0784



Tritanopia

24.1247, 19.5978, 17.8405

Trichromacy



Original Color

21.1872, 19.4904, 4.1587

Protanomaly

18.7693, 19.4320, 4.4306

Deuteranomaly

20.3099, 19.5394, 4.1399

Tritanomaly

22.6887, 19.4722, 10.9502

Monochromacy



Original Color

21.1872, 19.4904, 4.1587

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7972, 18.2472, 11.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1872, 19.4904, 4.1587 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(163, 112, 34)` looks like.

```
.text, #text, p{  
    color:rgb(163, 112, 34)  
}
```

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(163, 112, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 112, 34) }
```

Border

The CSS property to change the border of an element to XYZ 21.1872, 19.4904, 4.1587 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(163, 112, 34) }
```


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

```
.border{ border-color:rgb(163, 112, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 112, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 112, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 112, 34);  
box-shadow:4px 4px 4px 4px rgb(163, 112,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1872, 19.4904, 4.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 112, 34) }
```

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

```
.background{ background-color: rgb(163,  
112, 34) }
```

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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