

Converting Colors

XYZ(21.4494, 19.4245, 0.5789)

Have a look what the booklet for
XYZ(21.4494, 19.4245, 0.5789)
contains.

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Color

**XYZ(21.7244, 19.4767,
2.6144)**

Conversions

Conversions Part 1

Format	Color
Hex	A86E00
RGB	168, 110, 0
RGB Percent	66%, 43%, 0%
CMY	0.3412, 0.5686, 1.0000
CMYK	0.00, 0.35, 1.00, 0.34
HSL	39°, 100%, 33%
HSV	39°, 100%, 66%
XYZ	21.7244, 19.4767, 2.6144
YIQ	114.8020, 69.8780, -21.9140

Conversions

Conversions Part 2

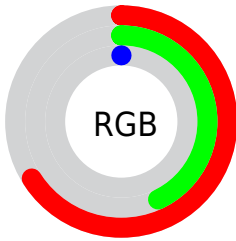
Format	Color
RYB	89, 168, 0
Decimal	11038208
CIELab	51.24, 15.88, 58.23
CIElCh	51, 60.359, 74.748
Yxy	19.4767, 0.4958, 0.4445
Android (android.graphics.Color)	4289228288 (0xFFA86E00)
YUV	114.8020, -56.5974, 46.6546
Hunter-Lab	44.1324, 10.6358, 27.3804

Details

The XYZ color **21.7244, 19.4767, 2.6144** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5811, 5.8535, 37.7231**, and the grayscale version is **16.3876, 17.2411, 18.7755**.

A 20% lighter version of the original color is **45.8407, 42.7048, 10.6773**, and **8.1530, 6.7602, 0.8751** is the 20% darker color. If you saturate the color by 10%, you get **21.7245, 19.4771, 2.6145**, and if you desaturate by 10%, it is **22.4709, 20.8104, 3.3549**.

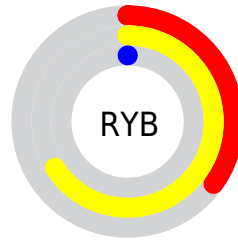
Distribution



Red (66%)

Green (43%)

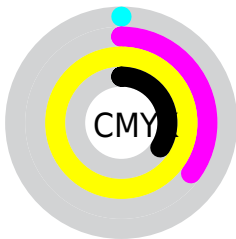
Blue (0%)



Red (35%)

Yellow (66%)

Blue (0%)

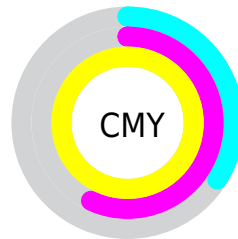


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7244, 19.4767, 2.6144 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 21.7244, 19.4767, 2.6144 by changing the saturation by 10% instead.

■ 21.7244, 19.4767,
2.6144

■ 21.7244, 19.4767,
2.6144

253.7631,
249.0679, 131.2869

■ 13.7700, 12.0152,
0.8999

■ 45.7723, 42.5381,
10.6611

■ 8.0415, 6.7541,
0.0000

■ 62.5965, 58.9068,
17.8318

■ 4.1735, 3.3088,
0.0000

■ 83.1081, 79.0133,
27.6588

■ 1.8008, 1.2950,
0.0000

■ 107.6723,
103.2421, 40.5606

■ 0.5181, 0.1373,
0.0000

■ 136.6546,
131.9776, 56.9558

■ 0.0000, 0.0000,
0.0000

■ 170.4202,

165.6041, 77.2629

■ 209.3346,
204.5061, 101.9004

■ 21.7244, 19.4767,
2.6144

■ 21.7244, 19.4767,
2.6144

■ 21.7245, 19.4771,
2.6145

■ 22.4709, 20.8104,
3.3549

■ 23.3425, 22.2601,
4.5502

■ 24.3745, 23.8419,
6.3811

■ 25.5831, 25.5634,
8.9287

■ 26.9820, 27.4312,
12.2616

■ 28.5832, 29.4513,
16.4406

■ 30.3978, 31.6290,
21.5202

■ 32.4360, 33.9697,
27.5506

■ 34.7071, 36.4779,
34.5780

Harmonies

Analogous

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



28.0010, 19.4767, 5.3910



21.7244, 19.4767, 2.6144



15.7212, 19.4767, 2.5957

Triad

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



21.7244, 19.4767, 2.6144



9.4286, 19.4767, 30.8056



27.9062, 19.4767, 54.5025

Complementary

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



21.7244, 19.4767, 2.6144



8.5811, 5.8535, 37.7231

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.



21.6150, 19.4767, 72.0738



21.7244, 19.4767, 2.6144



11.4529, 19.4767, 54.1161

Square

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



21.7244, 19.4767, 2.6144



9.4455, 19.4767, 13.6319



15.6330, 19.4767, 71.9031



32.0625, 19.4767, 31.1687

Rectangle

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



21.7244, 19.4767, 2.6144



12.6715, 19.4767, 3.9731



15.6330, 19.4767, 71.9031



25.9175, 19.4767, 61.7269

Sweetspot

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



21.7248, 19.4777, 2.6148



54.9685, 57.1690, 38.4959



16.9328, 8.6387, 4.8861



11.6829, 12.1069, 7.5446



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7248, 19.4777, 2.6148



39.2155, 34.9300, 4.6753



25.2958, 33.8269, 5.1962



7.9256, 8.3312, 7.9796



16.4547, 14.8067, 1.9907



0.4452, 0.4500, 0.0634

Inverse Universe

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



8.5811, 5.8535, 37.7231



15.3900, 10.2589, 68.3941



7.4739, 3.0366, 37.2377



7.3357, 7.7083, 9.5196



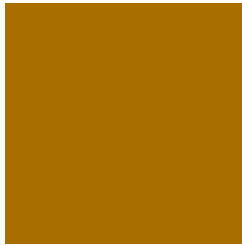
6.5238, 4.5077, 28.5017



0.2063, 0.2048, 0.7093

Previews

White Background



This preview shows how the XYZ color 21.7244, 19.4767, 2.6144 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 21.7244, 19.4767, 2.6144 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 21.7244, 19.4767, 2.6144

Background



This preview shows how black text looks on a background with the XYZ color 21.7244, 19.4767, 2.6144.



This preview shows how white text looks on a background with the XYZ color 21.7244, 19.4767,

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

21.7244, 19.4767, 2.6144

Protanopia

17.6306, 19.5957, 3.2010

Deuteranopia

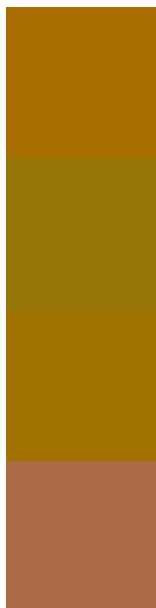
19.7630, 19.4593, 2.7144



Tritanopia

24.7994, 19.5128, 17.2111

Trichromacy



Original Color

21.7244, 19.4767, 2.6144

Protanomaly

18.9167, 19.3640, 2.9703

Deuteranomaly

20.5145, 19.5082, 2.6842

Tritanomaly

22.9517, 19.2033, 8.2913

Monochromacy



Original Color

21.7244, 19.4767, 2.6144

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9392, 17.3596, 8.7613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7244, 19.4767, 2.6144 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(168, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 110, 0)  
}
```

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(168, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.7244, 19.4767, 2.6144 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(168, 110, 0) }
```


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

```
.border{ border-color:rgb(168, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7244, 19.4767, 2.6144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 110, 0) }
```

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

```
.background{ background-color: rgb(168,  
110, 0) }
```

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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