

Converting Colors

XYZ(20.7624, 21.5570, 0.0000)

Have a look what the booklet for
XYZ(20.7624, 21.5570, 0.0000)
contains.

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Color

**XYZ(21.3082, 21.6844,
3.0624)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7C00
RGB	158, 124, 0
RGB Percent	62%, 49%, 0%
CMY	0.3804, 0.5137, 1.0000
CMYK	0.00, 0.22, 1.00, 0.38
HSL	47°, 100%, 31%
HSV	47°, 100%, 62%
XYZ	21.3082, 21.6844, 3.0624
YIQ	120.0300, 60.0680, -31.3560

Conversions

Conversions Part 2

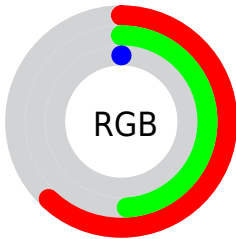
Format	Color
RYB	43, 158, 0
Decimal	10386432
CIELab	53.69, 3.35, 59.33
CIElCh	54, 59.428, 86.766
Yxy	21.6844, 0.4627, 0.4708
Android (android.graphics.Color)	4288576512 (0xFF9E7C00)
YUV	120.0300, -59.1748, 33.2997
Hunter-Lab	46.5665, 0.1878, 28.6974

Details

The XYZ color **21.3082, 21.6844, 3.0624** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7437, 3.6128, 32.6894**, and the grayscale version is **18.0329, 18.9721, 20.6606**.

A 20% lighter version of the original color is **45.1537, 46.2076, 11.8493**, and **8.0639, 7.9937, 1.1179** is the 20% darker color. If you saturate the color by 10%, you get **21.3085, 21.6851, 3.0626**, and if you desaturate by 10%, it is **21.8342, 22.5892, 3.6920**.

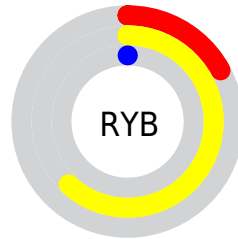
Distribution



Red (62%)

Green (49%)

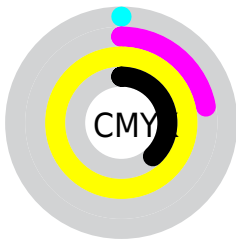
Blue (0%)



Red (17%)

Yellow (62%)

Blue (0%)

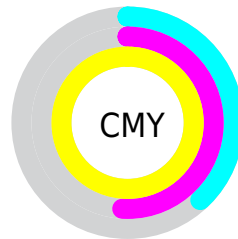


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3082, 21.6844, 3.0624 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 21.3082, 21.6844, 3.0624 by changing the saturation by 10% instead.

■ 21.3082, 21.6844,
3.0624

■ 21.3082, 21.6844,
3.0624

251.6127,
260.8937, 137.1514

■ 13.4632, 13.6252,
1.1266

■ 45.0873, 46.2238,
11.7820

■ 7.8275, 7.8604,
0.0000

■ 61.7522, 63.4728,
19.4029

■ 4.0356, 4.0058,
0.0000

■ 82.0877, 84.5539,
29.7559

■ 1.7223, 1.6768,
0.0000

■ 106.4592,
109.8514, 43.2596


■ 0.4702, 0.4086,
0.0000


■ 135.2322,
139.7497, 60.3324


■ 0.0000, 0.0000,
0.0000


■ 168.7718,


174.6333, 81.3930


 207.4435,
214.8865, 106.8598


 21.3082, 21.6844,
3.0624


 21.3082, 21.6844,
3.0624


 21.3085, 21.6851,
3.0626

 21.8342, 22.5892,
3.6920

 22.4458, 23.5511,
4.7014

 23.1750, 24.5840,
6.2563

 24.0351, 25.6935,
8.4255

 25.0372, 26.8842,
11.2679

■ 26.1915, 28.1604,
14.8355

■ 27.5069, 29.5258,
19.1748

■ 28.9917, 30.9841,
24.3289

■ 30.6535, 32.5384,
30.3374

Harmonies

Analogous

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



28.0677, 21.6844, 4.7586



21.3082, 21.6844, 3.0624



15.5778, 21.6844, 4.1110

Triad

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



21.3082, 21.6844, 3.0624



11.5042, 21.6844, 43.1626



32.6286, 21.6844, 48.4856

Complementary

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



21.3082, 21.6844, 3.0624



6.7437, 3.6128, 32.6894

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.



26.6246, 21.6844, 70.7360



21.3082, 21.6844, 3.0624



14.6069, 21.6844, 66.7077

Square

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



21.3082, 21.6844, 3.0624



10.6509, 21.6844, 21.6889



19.9279, 21.6844, 78.7026



35.3945, 21.6844, 25.6427

Rectangle

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



21.3082, 21.6844, 3.0624



12.9211, 21.6844, 6.8255



19.9279, 21.6844, 78.7026



30.8688, 21.6844, 56.6554

Sweetspot

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



21.3087, 21.6855, 3.0628



49.8034, 53.4682, 34.3161



14.3927, 7.3861, 2.1985



11.0076, 11.8286, 6.9993



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3087, 21.6855, 3.0628



38.5458, 39.0790, 5.5114



19.0671, 27.9799, 4.3959



7.0490, 7.4779, 7.0575



17.0954, 17.4265, 2.4626



0.3335, 0.3672, 0.0533

Inverse Universe

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



6.7437, 3.6128, 32.6894



12.1248, 6.3176, 59.3238



7.2437, 3.0215, 32.5489



6.3947, 6.6552, 8.3542



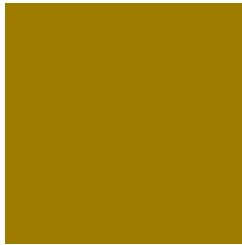
5.4256, 2.9428, 26.1893



0.1241, 0.1068, 0.4773

Previews

White Background



This preview shows how the XYZ color 21.3082, 21.6844, 3.0624 looks on a white background.

Color Contrast Check

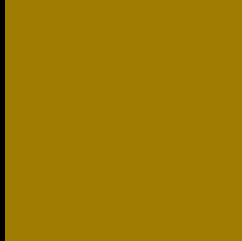
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3082, 21.6844, 3.0624 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 21.3082, 21.6844, 3.0624

Background



This preview shows how black text looks on a background with the XYZ color 21.3082, 21.6844, 3.0624.

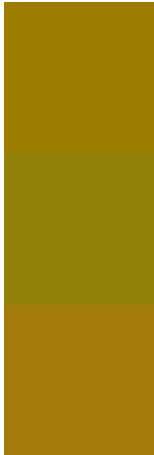


This preview shows how white text looks on a background with the XYZ color 21.3082, 21.6844,

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

21.3082, 21.6844, 3.0624

Protanopia

19.5711, 21.7378, 3.3940

Deuteranopia

22.1131, 21.7253, 3.2864



Tritanopia

25.0787, 21.6092, 21.9180

Trichromacy



Original Color

21.3082, 21.6844, 3.0624

Protanomaly

20.1944, 21.6737, 3.2627

Deuteranomaly

21.8138, 21.7561, 3.2219

Tritanomaly

22.7900, 21.2028, 10.2885

Monochromacy



Original Color

21.3082, 21.6844, 3.0624

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9734, 19.2649, 9.6087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3082, 21.6844, 3.0624 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(158, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 124, 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(158, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3082, 21.6844, 3.0624 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(158, 124, 0) }
```


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

```
.border{ border-color:rgb(158, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3082, 21.6844, 3.0624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 124, 0) }
```

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

```
.background{ background-color: rgb(158,  
124, 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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