

Converting Colors

XYZ(22.4827, 20.3563, 2.7442)

Have a look what the booklet for
XYZ(22.4827, 20.3563, 2.7442)
contains.

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Color

**XYZ(22.4827, 20.3563,
2.7442)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7100
RGB	170, 113, 0
RGB Percent	67%, 44%, 0%
CMY	0.3333, 0.5568, 1.0000
CMYK	0.00, 0.34, 1.00, 0.33
HSL	40°, 100%, 33%
HSV	40°, 100%, 67%
XYZ	22.4827, 20.3563, 2.7442
YIQ	117.1610, 70.2450, -23.0590

Conversions

Conversions Part 2

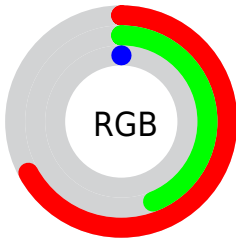
Format	Color
RYB	86, 170, 0
Decimal	11170048
CIELab	52.24, 15.10, 59.01
CIELCh	52, 60.913, 75.651
Yxy	20.3563, 0.4932, 0.4466
Android (android.graphics.Color)	4289360128 (0xFFAA7100)
YUV	117.1610, -57.7604, 46.3398
Hunter-Lab	45.1180, 9.9918, 27.9764

Details

The XYZ color **22.4827, 20.3563, 2.7442** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.7190, 5.8287, 38.6954**, and the grayscale version is **17.1176, 18.0091, 19.6119**.

A 20% lighter version of the original color is **47.0424, 44.1149, 11.0367**, and **8.5724, 7.2253, 0.9428** is the 20% darker color. If you saturate the color by 10%, you get **22.4828, 20.3568, 2.7443**, and if you desaturate by 10%, it is **23.2404, 21.7099, 3.4961**.

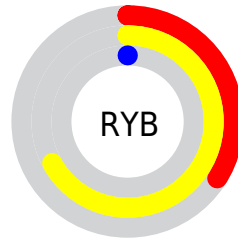
Distribution



Red (67%)

Green (44%)

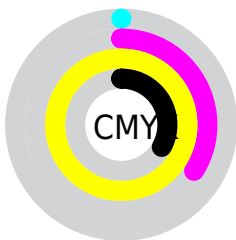
Blue (0%)



Red (34%)

Yellow (67%)

Blue (0%)

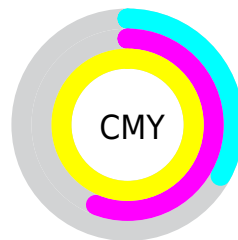


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4827, 20.3563, 2.7442 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 22.4827, 20.3563, 2.7442 by changing the saturation by 10% instead.

■ 22.4827, 20.3563,
2.7442

■ 22.4827, 20.3563,
2.7442

257.6420,
253.8375, 133.0329

■ 14.3306, 12.6543,
0.9656

■ 47.0154, 44.0137,
10.9904

■ 8.4342, 7.1909,
0.0000

■ 64.1268, 60.7380,
18.2951

■ 4.4281, 3.5818,
0.0000

■ 84.9553, 81.2384,
28.2789

■ 1.9471, 1.4425,
0.0000

■ 109.8662,
105.8995, 41.3602

■ 0.6040, 0.2477,
0.0000

■ 139.2250,
135.1055, 57.9578

■ 0.0000, 0.0000,
0.0000

■ 173.3970,

169.2409, 78.4900

■ 212.7476,
208.6901, 103.3756

■ 22.4827, 20.3563,
2.7442

■ 22.4827, 20.3563,
2.7442

■ 22.4828, 20.3568,
2.7443

■ 23.2404, 21.7099,
3.4961

■ 24.1247, 23.1784,
4.7163

■ 25.1716, 24.7780,
6.5887

■ 26.3976, 26.5165,
9.1969

■ 27.8167, 28.4005,
12.6115

■ 29.4414, 30.4361,
16.8952

■ 31.2829, 32.6287,
22.1041

■ 33.3517, 34.9835,
28.2898

■ 35.6574, 37.5053,
35.4998

Harmonies

Analogous

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



29.0261, 20.3563, 5.5360



22.4827, 20.3563, 2.7442



16.2830, 20.3563, 2.7948

Triad

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



22.4827, 20.3563, 2.7442



9.9278, 20.3563, 32.8095



29.2799, 20.3563, 55.9902

Complementary

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



22.4827, 20.3563, 2.7442



8.7190, 5.8287, 38.6954

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.



22.7755, 20.3563, 74.5882



22.4827, 20.3563, 2.7442



12.1029, 20.3563, 57.0221

Square

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



22.4827, 20.3563, 2.7442



9.8826, 20.3563, 14.6805



16.5192, 20.3563, 75.0437



33.4867, 20.3563, 31.8381

Rectangle

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



22.4827, 20.3563, 2.7442



13.1535, 20.3563, 4.3087



16.5192, 20.3563, 75.0437



27.2340, 20.3563, 63.5587

Sweetspot

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



22.4832, 20.3573, 2.7446



56.5664, 58.9762, 39.5426



17.3801, 8.8672, 5.0021



12.3005, 12.7822, 7.9170



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.4832, 20.3573, 2.7446



40.5850, 36.5194, 4.9099



25.9639, 34.7237, 5.3341



7.9318, 8.3437, 7.9817



16.5916, 15.0805, 2.0364



0.4479, 0.4553, 0.0643

Inverse Universe

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



8.7190, 5.8287, 38.6954



15.6390, 10.2145, 70.1492



7.6692, 3.1156, 38.2271



7.3297, 7.6963, 9.5176



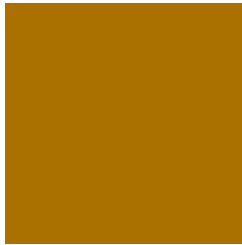
6.4604, 4.3810, 28.4806



0.2041, 0.2004, 0.7086

Previews

White Background



This preview shows how the XYZ color 22.4827, 20.3563, 2.7442 looks on a white background.

Color Contrast Check

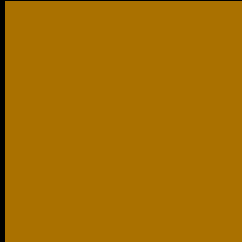
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4827, 20.3563, 2.7442 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 22.4827, 20.3563, 2.7442

Background



This preview shows how black text looks on a background with the XYZ color 22.4827, 20.3563, 2.7442.



This preview shows how white text looks on a background with the XYZ color 22.4827, 20.3563,

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

22.4827, 20.3563, 2.7442

Protanopia

18.3785, 20.3541, 3.2767

Deuteranopia

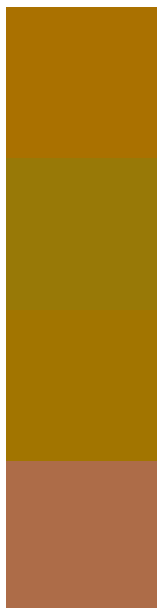
20.6974, 20.4628, 2.8588



Tritanopia

25.7114, 20.4094, 18.2070

Trichromacy



Original Color

22.4827, 20.3563, 2.7442

Protanomaly

19.8246, 20.3655, 3.0871

Deuteranomaly

21.2616, 20.4040, 2.8178

Tritanomaly

23.7658, 20.0772, 8.7536

Monochromacy



Original Color

22.4827, 20.3563, 2.7442

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.6348, 18.2194, 9.0658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4827, 20.3563, 2.7442 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(170, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 113, 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(170, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.4827, 20.3563, 2.7442 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(170, 113, 0) }
```


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

```
.border{ border-color:rgb(170, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4827, 20.3563, 2.7442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 113, 0) }
```

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

```
.background{ background-color: rgb(170,  
113, 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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