

Converting Colors

XYZ(24.4384, 22.5933, 3.2938)

Have a look what the booklet for
XYZ(24.4384, 22.5933, 3.2938)
contains.

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Color

**XYZ(24.4395, 22.5644,
3.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	AF7808
RGB	175, 120, 8
RGB Percent	69%, 47%, 3%
CMY	0.3137, 0.5294, 0.9686
CMYK	0.00, 0.31, 0.95, 0.31
HSL	40°, 91%, 36%
HSV	40°, 95%, 69%
XYZ	24.4395, 22.5644, 3.2970
YIQ	123.6770, 68.7320, -23.1720

Conversions

Conversions Part 2

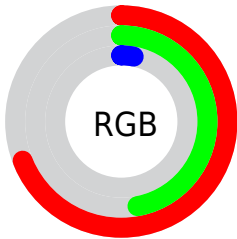
Format	Color
R_{YB}	90, 175, 8
Decimal	11499528
CIE Lab	54.62, 13.55, 59.42
CIE LCh	55, 60.947, 77.157
Yxy	22.5644, 0.4859, 0.4486
Android (android.graphics.Color)	4289689608 (0xFFAF7808)
YUV	123.6770, -57.0288, 45.0103
Hunter-Lab	47.5020, 8.7087, 29.1362

Details

The XYZ color **24.4395, 22.5644, 3.2970** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.6157, 6.7021, 41.3440**, and the grayscale version is **19.2191, 20.2200, 22.0196**.

A 20% lighter version of the original color is **50.1190, 47.6094, 12.3423**, and **9.6535, 8.4166, 1.1158** is the 20% darker color. If you saturate the color by 10%, you get **24.0833, 21.9223, 2.9621**, and if you desaturate by 10%, it is **25.2913, 24.0487, 4.2576**.

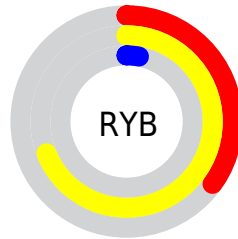
Distribution



Red (69%)

Green (47%)

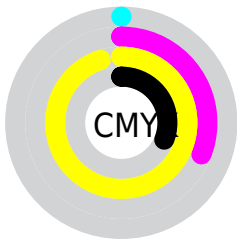
Blue (3%)



Red (35%)

Yellow (69%)

Blue (3%)

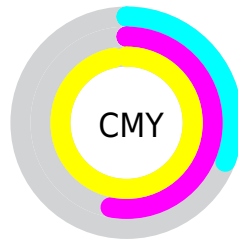


Cyan (0%)

Magenta (31%)

Yellow (95%)

Black (31%)



Cyan (31%)

Magenta (53%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4395, 22.5644, 3.2970 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 24.4395, 22.5644, 3.2970 by changing the saturation by 10% instead.

■ 24.4395, 22.5644,
3.2970

■ 24.4395, 22.5644,
3.2970

267.4344,
265.4797, 140.0579

■ 15.7865, 14.2722,
1.2482

■ 50.1959, 47.6771,
12.3529

■ 9.4631, 8.3102,
0.0188

■ 68.0300, 65.2663,
20.1971

■ 5.1039, 4.2941,
0.0000

■ 89.6552, 86.7234,
30.8102

■ 2.3438, 1.8394,
0.0000

■ 115.4368,
112.4327, 44.6107

■ 0.8169, 0.5116,
0.0000

■ 145.7401,
142.7786, 62.0172

■ 0.0000, 0.0000,
0.0000

■ 180.9306,

178.1454, 83.4482

221.3736,
218.9177, 109.3222

24.4395, 22.5644,
3.2970

24.4395, 22.5644,
3.2970

24.0833, 21.9223,
2.9621

25.2913, 24.0487,
4.2576

26.3031, 25.6640,
5.8536

27.4958, 27.4207,
8.1893

28.8856, 29.3263,
11.3473

30.4869, 31.3876,
15.3995

■ 32.3124, 33.6108,
20.4096

■ 34.3736, 36.0014,
26.4356

■ 36.6813, 38.5649,
33.5307

■ 39.2454, 41.3060,
41.7445

Harmonies

Analogous

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



31.4533, 22.5644, 6.2311



24.4395, 22.5644, 3.2970



17.8666, 22.5644, 3.4891

Triad

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



24.4395, 22.5644, 3.2970



11.3425, 22.5644, 37.1385



32.3469, 22.5644, 59.1638

Complementary

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



24.4395, 22.5644, 3.2970



9.6157, 6.7021, 41.3440

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.



25.4759, 22.5644, 79.3689



24.4395, 22.5644, 3.2970



13.8255, 22.5644, 62.7631

Square

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



24.4395, 22.5644, 3.2970



11.1791, 22.5644, 17.2468



18.7089, 22.5644, 80.9503



36.6182, 22.5644, 33.7156

Rectangle

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



24.4395, 22.5644, 3.2970



14.5689, 22.5644, 5.3353



18.7089, 22.5644, 80.9503



30.2067, 22.5644, 67.2622

Sweetspot

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



24.4400, 22.5655, 3.2974



60.0049, 62.6951, 42.7192



18.6821, 9.6542, 5.6805



12.9980, 13.5396, 8.5112



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.4400, 22.5655, 3.2974



42.9250, 38.8472, 5.2359



27.4364, 36.8958, 5.9055



8.4370, 8.8789, 8.4825



17.3049, 15.8153, 2.1406



0.5286, 0.5344, 0.0753

Inverse Universe

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



9.6157, 6.7021, 41.3440



16.3567, 10.5403, 73.8093



8.5467, 3.6412, 40.8095



7.7863, 8.1720, 10.1197



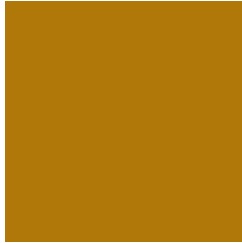
6.6627, 4.4592, 29.5541



0.2362, 0.2257, 0.8391

Previews

White Background



This preview shows how the XYZ color 24.4395, 22.5644, 3.2970 looks on a white background.

Color Contrast Check

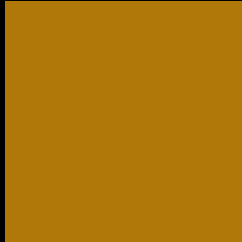
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4395, 22.5644, 3.2970 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 24.4395, 22.5644, 3.2970

Background



This preview shows how black text looks on a background with the XYZ color 24.4395, 22.5644, 3.2970.



This preview shows how white text looks on a background with the XYZ color 24.4395, 22.5644,

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

24.4395, 22.5644, 3.2970

Protanopia

20.4083, 22.5602, 3.6944

Deuteranopia

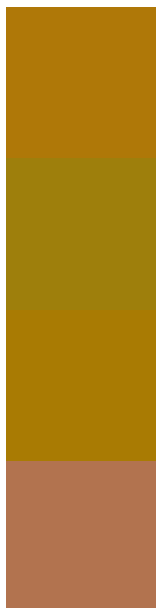
22.9335, 22.5223, 3.1385



Tritanopia

28.0067, 22.6477, 20.6646

Trichromacy



Original Color

24.4395, 22.5644, 3.2970

Protanomaly

21.7563, 22.4744, 3.5391

Deuteranomaly

23.4616, 22.6075, 3.2133

Tritanomaly

25.9021, 22.2910, 10.3345

Monochromacy



Original Color

24.4395, 22.5644, 3.2970

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.9336, 20.6148, 10.9111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4395, 22.5644, 3.2970 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(175, 120, 8)` looks like.

```
.text, #text, p{  
    color:rgb(175, 120, 8)  
}
```

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(175, 120, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 120, 8) }
```

Border

The CSS property to change the border of an element to XYZ 24.4395, 22.5644, 3.2970 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(175, 120, 8) }
```


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

```
.border{ border-color:rgb(175, 120, 8) }
```

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

Here you see how a box with a 4 pixel rgb(175, 120, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 120, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 120, 8);  
box-shadow:4px 4px 4px 4px rgb(175, 120,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4395, 22.5644, 3.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 120, 8) }
```

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

```
.background{ background-color: rgb(175,  
120, 8) }
```

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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