

Converting Colors

XYZ(24.2979, 22.6201, 1.4388)

Have a look what the booklet for
XYZ(24.2979, 22.6201, 1.4388)
contains.

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Color

**XYZ(24.6210, 22.6630,
3.0767)**

Conversions

Conversions Part 1

Format	Color
Hex	B07800
RGB	176, 120, 0
RGB Percent	69%, 47%, 0%
CMY	0.3098, 0.5294, 1.0000
CMYK	0.00, 0.32, 1.00, 0.31
HSL	41°, 100%, 35%
HSV	41°, 100%, 69%
XYZ	24.6210, 22.6630, 3.0767
YIQ	123.0640, 71.8960, -25.4480

Conversions

Conversions Part 2

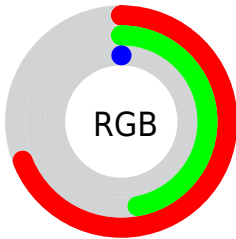
Format	Color
RYB	82, 176, 0
Decimal	11565056
CIELab	54.72, 13.89, 61.02
CIELCh	55, 62.581, 77.177
Yxy	22.6630, 0.4889, 0.4500
Android (android.graphics.Color)	4289755136 (0xFFB07800)
YUV	123.0640, -60.6706, 46.4249
Hunter-Lab	47.6057, 9.0078, 29.4921

Details

The XYZ color **24.6210, 22.6630, 3.0767** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.2508, 5.9632, 41.7376**, and the grayscale version is **19.0261, 20.0169, 21.7984**.

A 20% lighter version of the original color is **50.3577, 47.7432, 11.8714**, and **9.7886, 8.4863, 1.1221** is the 20% darker color. If you saturate the color by 10%, you get **24.6212, 22.6636, 3.0768**, and if you desaturate by 10%, it is **25.4208, 24.0932, 3.8662**.

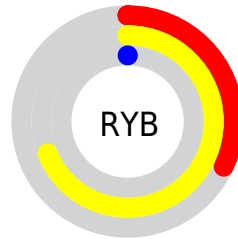
Distribution



Red (69%)

Green (47%)

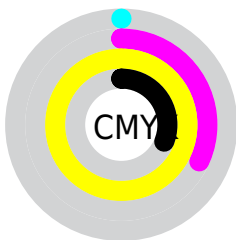
Blue (0%)



Red (32%)

Yellow (69%)

Blue (0%)

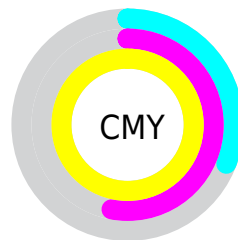


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6210, 22.6630, 3.0767 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 24.6210, 22.6630, 3.0767 by changing the saturation by 10% instead.

■ 24.6210, 22.6630,
3.0767

■ 24.6210, 22.6630,
3.0767

268.3278,
265.9893, 137.3316

■ 15.9221, 14.3449,
1.1339

■ 50.4890, 47.8394,
11.8171

■ 9.5596, 8.3609,
0.0000

■ 68.3889, 65.4664,
19.4519

■ 5.1679, 4.3267,
0.0000

■ 90.0865, 86.9652,
29.8210

■ 2.3819, 1.8580,
0.0000

■ 115.9472,
112.7202, 43.3431

■ 0.8361, 0.5229,
0.0000

■ 146.3363,
143.1156, 60.4366

■ 0.0000, 0.0000,
0.0000

■ 181.6192,

178.5361, 81.5202

■ 222.1613,
219.3658, 107.0123

■ 24.6210, 22.6630,
3.0767

■ 24.6210, 22.6630,
3.0767

■ 24.6212, 22.6636,
3.0768

■ 25.4208, 24.0932,
3.8662

■ 26.3546, 25.6401,
5.1663

■ 27.4604, 27.3209,
7.1711

■ 28.7560, 29.1437,
9.9716

■ 30.2566, 31.1156,
13.6452

■ 31.9757, 33.2429,
18.2599

■ 33.9256, 35.5314,
23.8770

■ 36.1173, 37.9865,
30.5525

■ 38.5613, 40.6132,
38.3383

Harmonies

Analogous

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



31.8748, 22.6630, 5.9833



24.6210, 22.6630, 3.0767



17.8555, 22.6630, 3.2669

Triad

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



24.6210, 22.6630, 3.0767



11.1895, 22.6630, 37.6829



32.8092, 22.6630, 60.5585

Complementary

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



24.6210, 22.6630, 3.0767



9.2508, 5.9632, 41.7376

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.



25.7006, 22.6630, 81.6820



24.6210, 22.6630, 3.0767



13.7228, 22.6630, 64.3481

Square

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



24.6210, 22.6630, 3.0767



11.0217, 22.6630, 17.1679



18.7283, 22.6630, 83.3525



37.2377, 22.6630, 34.1054

Rectangle

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



24.6210, 22.6630, 3.0767



14.4774, 22.6630, 5.0958



18.7283, 22.6630, 83.3525



30.5925, 22.6630, 69.0143

Sweetspot

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



24.6215, 22.6642, 3.0771



61.3321, 64.2154, 42.7189



18.6854, 9.5426, 4.9502



12.9674, 13.5404, 8.3102



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.



24.6215, 22.6642, 3.0771



44.4422, 40.6790, 5.5095



27.4984, 37.2229, 5.7356



8.9645, 9.4415, 9.0024



18.1195, 16.7376, 2.2757



0.6198, 0.6261, 0.0882

Inverse Universe

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



9.2508, 5.9632, 41.7376



16.5966, 10.4527, 75.6381



8.3529, 3.4009, 41.2903



8.2553, 8.6569, 10.7422



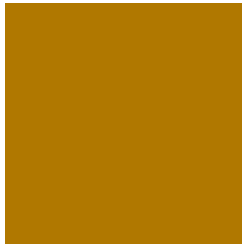
6.8347, 4.4698, 30.6395



0.2690, 0.2485, 0.9820

Previews

White Background



This preview shows how the XYZ color 24.6210, 22.6630, 3.0767 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 24.6210, 22.6630, 3.0767 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 24.6210, 22.6630, 3.0767

Background



This preview shows how black text looks on a background with the XYZ color 24.6210, 22.6630, 3.0767.



This preview shows how white text looks on a background with the XYZ color 24.6210, 22.6630,

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

24.6210, 22.6630, 3.0767

Protanopia

20.5244, 22.8226, 3.6401

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

28.2404, 22.7682, 20.6756

Trichromacy



Original Color

24.6210, 22.6630, 3.0767

Protanomaly

21.8581, 22.7228, 3.4349

Deuteranomaly

23.6605, 22.7120, 3.1368

Tritanomaly

26.0256, 22.3670, 9.7830

Monochromacy



Original Color

24.6210, 22.6630, 3.0767

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4900, 20.2199, 10.0833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6210, 22.6630, 3.0767 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(176, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 120, 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(176, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 120, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.6210, 22.6630, 3.0767 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(176, 120, 0) }
```


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

```
.border{ border-color:rgb(176, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 120,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6210, 22.6630, 3.0767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 120, 0) }
```

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

```
.background{ background-color: rgb(176,  
120, 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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