

Converting Colors

XYZ(22.3193, 18.6695, 5.5988)

Have a look what the booklet for
XYZ(22.3193, 18.6695, 5.5988)
contains.

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Color

**XYZ(22.2424, 18.5974,
5.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6733
RGB	171, 103, 51
RGB Percent	67%, 40%, 20%
CMY	0.3294, 0.5961, 0.8000
CMYK	0.00, 0.40, 0.70, 0.33
HSL	26°, 54%, 44%
HSV	26°, 70%, 67%
XYZ	22.2424, 18.5974, 5.5493
YIQ	117.4040, 57.2200, -1.7560

Conversions

Conversions Part 2

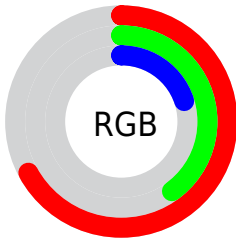
Format	Color
R _Y B	171, 143, 51
Decimal	11233075
CIE Lab	50.21, 22.72, 40.01
CIE LCh	50, 46.008, 60.410
Yxy	18.5974, 0.4795, 0.4009
Android (android.graphics.Color)	4289423155 (0xFFAB6733)
YUV	117.4040, -32.7372, 47.0037
Hunter-Lab	43.1247, 16.5966, 22.5578

Details

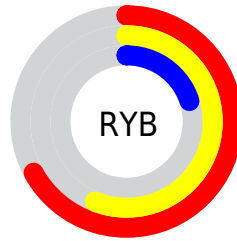
The XYZ color **22.2424, 18.5974, 5.5493** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.3124, 16.8369, 40.9708**, and the grayscale version is **17.1206, 18.0122, 19.6152**.

A 20% lighter version of the original color is **46.6547, 41.1858, 17.5473**, and **8.3166, 6.3142, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **21.0239, 16.6570, 3.6130**, and if you desaturate by 10%, it is **23.7121, 20.8186, 8.2537**.

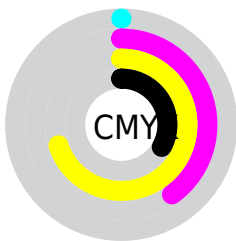
Distribution



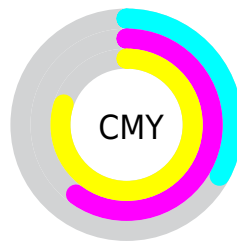
- Red (67%)
- Green (40%)
- Blue (20%)



- Red (67%)
- Yellow (56%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (70%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2424, 18.5974, 5.5493 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 22.2424, 18.5974, 5.5493 by changing the saturation by 10% instead.


 22.2424, 18.5974,
5.5493


 22.2424, 18.5974,
5.5493


256.4182,
244.2171, 164.1424


 14.1527, 11.3797,
2.5087


 46.6222, 41.0527,
17.4492


 8.3094, 6.3229,
0.8448


 63.6430, 57.0591,
27.1456


 4.3470, 3.0424,
0.0000

 84.3716, 76.7639,
39.8977

 1.9003, 1.1539,
0.0000

 109.1732,
100.5514, 56.1241

 0.5770, 0.0236,
0.0000

 138.4134,
128.8061, 76.2431

 0.0000, 0.0000,
0.0000

 172.4574,

161.9123, 100.6735

211.6705,
200.2545, 129.8338

■ 22.2424, 18.5974,
5.5493

■ 22.2424, 18.5974,
5.5493

■ 21.0239, 16.6570,
3.6130

■ 23.7121, 20.8186,
8.2537

■ 20.0355, 14.9805,
2.3577

■ 25.4490, 23.3304,
11.7982

■ 19.2504, 13.5696,
1.6046

■ 27.4690, 26.1455,
16.2477

■ 29.7862, 29.2748,
21.6601

■ 32.4137, 32.7287,
28.0887

■ 35.3637, 36.5168,
35.5826

■ 38.6477, 40.6487,
44.1880

■ 42.2767, 45.1331,
53.9480

■ 46.2609, 49.9786,
64.9037

Harmonies

Analogous

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



26.1213, 18.5974, 10.2129



22.2424, 18.5974, 5.5493



17.6152, 18.5974, 4.3085

Triad

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



22.2424, 18.5974, 5.5493



10.4319, 18.5974, 20.4252



22.3662, 18.5974, 49.5527

Complementary

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



22.2424, 18.5974, 5.5493



15.3124, 16.8369, 40.9708

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.



17.7375, 18.5974, 55.9231



22.2424, 18.5974, 5.5493



11.2812, 18.5974, 35.3422

Square

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



22.2424, 18.5974, 5.5493



11.2359, 18.5974, 10.4064



13.7822, 18.5974, 49.8716



26.2007, 18.5974, 34.9040

Rectangle

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



22.2424, 18.5974, 5.5493



14.8595, 18.5974, 4.8795



13.7822, 18.5974, 49.8716



20.8282, 18.5974, 52.9530

Sweetspot

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



22.2428, 18.5984, 5.5496



57.4583, 57.8442, 48.8289



21.3082, 12.3576, 18.7151



12.5245, 12.5220, 10.1752



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.



22.2428, 18.5984, 5.5496



36.6640, 28.1800, 5.1359



30.4893, 35.0913, 8.2985



8.2800, 8.5649, 8.4301



14.5625, 10.3304, 1.2264



0.4602, 0.3975, 0.0525

Inverse Universe

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



15.3124, 16.8369, 40.9708



23.4130, 24.7084, 72.5371



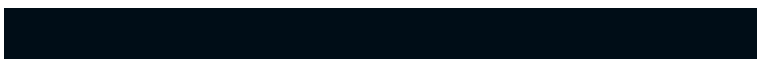
10.2800, 6.7722, 39.2933



7.9413, 8.4819, 10.1713



8.8096, 8.7530, 30.2697



0.2981, 0.3496, 0.8598

Previews

White Background



This preview shows how the XYZ color 22.2424, 18.5974, 5.5493 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 22.2424, 18.5974, 5.5493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

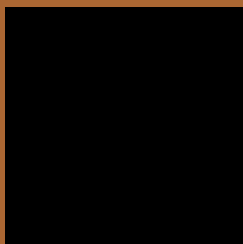
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2424, 18.5974, 5.5493

Background



This preview shows how black text looks on a background with the XYZ color 22.2424, 18.5974, 5.5493.



This preview shows how white text looks on a background with the XYZ color 22.2424, 18.5974,

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

22.2424, 18.5974, 5.5493

Protanopia

17.1031, 18.7050, 6.4504

Deuteranopia

18.9452, 18.6376, 5.3952



Tritanopia

24.2289, 18.5475, 15.3997

Trichromacy



Original Color

22.2424, 18.5974, 5.5493

Protanomaly

18.7158, 18.5040, 6.0752

Deuteranomaly

20.0349, 18.5417, 5.4287

Tritanomaly

23.3351, 18.4638, 10.9283

Monochromacy



Original Color

22.2424, 18.5974, 5.5493

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0865, 17.6970, 12.8185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2424, 18.5974, 5.5493 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(171, 103, 51)` looks like.

```
.text, #text, p{  
    color:rgb(171, 103, 51)  
}
```

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(171, 103, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 103, 51) }
```

Border

The CSS property to change the border of an element to XYZ 22.2424, 18.5974, 5.5493 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(171, 103, 51) }
```


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

```
.border{ border-color:rgb(171, 103, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 103, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 103, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 103, 51);  
box-shadow:4px 4px 4px 4px rgb(171, 103,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2424, 18.5974, 5.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 103, 51) }
```

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

```
.background{ background-color: rgb(171,  
103, 51) }
```

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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