

Converting Colors

XYZ(24.6786, 24.3715, 6.3009)

Have a look what the booklet for
XYZ(24.6786, 24.3715, 6.3009)
contains.

XYZ(24.5531, 24.2471, 6.2918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.5531, 24.2471,
6.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	A88131
RGB	168, 129, 49
RGB Percent	66%, 51%, 19%
CMY	0.3412, 0.4941, 0.8078
CMYK	0.00, 0.23, 0.71, 0.34
HSL	40°, 55%, 43%
HSV	40°, 71%, 66%
XYZ	24.5531, 24.2471, 6.2918
YIQ	131.5410, 48.9240, -16.6120

Conversions

Conversions Part 2

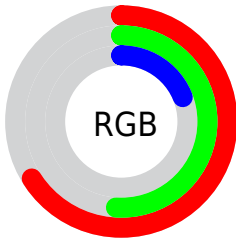
Format	Color
R_{YB}	107, 168, 49
Decimal	11043121
CIE _{Lab}	56.33, 6.65, 47.39
CIE _{LCh}	56, 47.857, 82.009
Yxy	24.2471, 0.4457, 0.4401
Android (android.graphics.Color)	4289233201 (0xFFA88131)
YUV	131.5410, -40.6927, 31.9745
Hunter-Lab	49.2413, 2.8327, 26.8932

Details

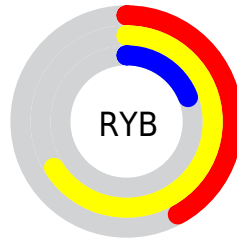
The XYZ color **24.5531, 24.2471, 6.2918** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.8241, 10.4592, 38.4412**, and the grayscale version is **21.8968, 23.0372, 25.0875**.

A 20% lighter version of the original color is **50.3922, 50.5447, 19.1567**, and **9.5508, 9.1821, 1.2689** is the 20% darker color. If you saturate the color by 10%, you get **23.5569, 22.7203, 4.5248**, and if you desaturate by 10%, it is **25.7217, 25.9073, 8.7687**.

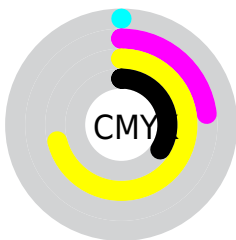
Distribution



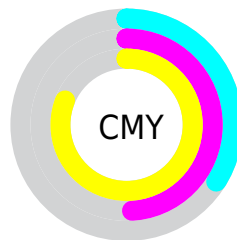
- Red (66%)
- Green (51%)
- Blue (19%)



- Red (42%)
- Yellow (66%)
- Blue (19%)



- Cyan (0%)
- Magenta (23%)
- Yellow (71%)
- Black (34%)





- Cyan (34%)
- Magenta (49%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5531, 24.2471, 6.2918 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 24.5531, 24.2471, 6.2918 by changing the saturation by 10% instead.


 24.5531, 24.2471,
6.2918


 24.5531, 24.2471,
6.2918


267.9939,
274.0674, 171.0433


 15.8714, 15.5170,
2.9517


 50.3794, 50.4331,
19.0216


 9.5234, 9.1830,
1.0700


 68.2547, 68.6579,
29.2484


 5.1440, 4.8608,
0.0000


 89.9253, 90.8163,
42.6078

 2.3676, 2.1658,
0.0000

 115.7564,
117.2928, 59.5184

 0.8289, 0.7013,
0.0000

 146.1134,
148.4717, 80.3987

 0.0000, 0.0000,
0.0000

 181.3618,

184.7376, 105.6673

221.8668,
226.4746, 135.7427

■ 24.5531, 24.2471,
6.2918

■ 24.5531, 24.2471,
6.2918

■ 23.5569, 22.7203,
4.5248

■ 25.7217, 25.9073,
8.7687

■ 22.7152, 21.3159,
3.3843

■ 27.0747, 27.7038,
12.0237

■ 22.0475, 20.1231,
2.7221

■ 28.6249, 29.6436,
16.1186

■ 30.3833, 31.7320,
21.1083

■ 32.3599, 33.9739,
27.0432

■ 34.5642, 36.3739,
33.9699

■ 37.0048, 38.9364,
41.9318

■ 39.6901, 41.6656,
50.9699

■ 42.6278, 44.5654,
61.1228

Harmonies

Analogous

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



30.2150, 24.2471, 8.9617



24.5531, 24.2471, 6.2918



19.2935, 24.2471, 7.0590

Triad

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



24.5531, 24.2471, 6.2918



14.5409, 24.2471, 39.5074



32.4624, 24.2471, 49.8756

Complementary

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



24.5531, 24.2471, 6.2918



11.8241, 10.4592, 38.4412

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.



27.2563, 24.2471, 65.7927



24.5531, 24.2471, 6.2918



17.1116, 24.2471, 58.3282

Square

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



24.5531, 24.2471, 6.2918



14.0534, 24.2471, 22.3973



21.6021, 24.2471, 69.3851



35.2338, 24.2471, 30.8554

Rectangle

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



24.5531, 24.2471, 6.2918



16.6484, 24.2471, 9.6450



21.6021, 24.2471, 69.3851



30.9030, 24.2471, 56.0352

Sweetspot

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



24.5537, 24.2483, 6.2923



58.5130, 61.4183, 48.4315



19.0360, 11.2373, 10.5440



12.5404, 13.1482, 9.9070



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.5537, 24.2483, 6.2923



41.8405, 39.7432, 6.8971



26.7999, 34.5383, 8.1601



7.9366, 8.3532, 7.9833



16.6977, 15.2926, 2.0717



0.4499, 0.4594, 0.0650

Inverse Universe

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



11.8241, 10.4592, 38.4412



17.4504, 13.4536, 68.9022



10.6088, 6.2832, 37.6992



7.3251, 7.6872, 9.5160



6.4135, 4.2872, 28.4650



0.2024, 0.1971, 0.7080

Previews

White Background



This preview shows how the XYZ color 24.5531, 24.2471, 6.2918 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 24.5531, 24.2471, 6.2918 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 24.5531, 24.2471, 6.2918

Background



This preview shows how black text looks on a background with the XYZ color 24.5531, 24.2471, 6.2918.



This preview shows how white text looks on a background with the XYZ color 24.5531, 24.2471,

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

24.5531, 24.2471, 6.2918

Protanopia

22.1642, 24.4266, 6.6786

Deuteranopia

24.7668, 24.3573, 6.3018



Tritanopia

28.3222, 24.2851, 24.3138

Trichromacy



Original Color

24.5531, 24.2471, 6.2918

Protanomaly

22.8679, 24.1734, 6.4783

Deuteranomaly

24.7668, 24.3573, 6.3018

Tritanomaly

26.5699, 24.1255, 15.5682

Monochromacy



Original Color

24.5531, 24.2471, 6.2918

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1916, 23.2117, 15.8810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5531, 24.2471, 6.2918 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(168, 129, 49)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 49)  
}
```

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(168, 129, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 49) }
```

Border

The CSS property to change the border of an element to XYZ 24.5531, 24.2471, 6.2918 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(168, 129, 49) }
```


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

```
.border{ border-color:rgb(168, 129, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 129, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 49);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5531, 24.2471, 6.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 49) }
```

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

```
.background{ background-color: rgb(168,  
129, 49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor