

Converting Colors

XYZ(22.6312, 32.1444, 12.0883)

Have a look what the booklet for
XYZ(22.6312, 32.1444, 12.0883)
contains.

XYZ(22.4944, 31.9552, 12.0036)	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(22.4944, 31.9552,
12.0036)**

Conversions

Conversions Part 1

Format	Color
Hex	75A74D
RGB	117, 167, 77
RGB Percent	46%, 65%, 30%
CMY	0.5412, 0.3451, 0.6980
CMYK	0.30, 0.00, 0.54, 0.35
HSL	93°, 37%, 48%
HSV	93°, 54%, 65%
XYZ	22.4944, 31.9552, 12.0036
YIQ	141.7900, -0.9100, -38.5900

Conversions

Conversions Part 2

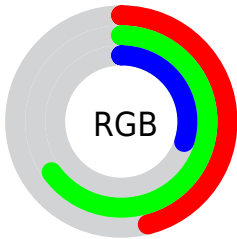
Format	Color
RYB	77, 167, 127
Decimal	7710541
CIELab	63.31, -32.56, 40.84
CIElCh	63, 52.226, 128.565
Yxy	31.9552, 0.3385, 0.4809
Android (android.graphics.Color)	4285900621 (0xFF75A74D)
YUV	141.7900, -31.9415, -21.7408
Hunter-Lab	56.5289, -27.8956, 26.9804

Details

The XYZ color **22.4944, 31.9552, 12.0036** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.3828, 12.6108, 38.0263**, and the grayscale version is **25.7514, 27.0925, 29.5037**.

A 20% lighter version of the original color is **46.8121, 62.4590, 30.0106**, and **8.5085, 13.4644, 3.1874** is the 20% darker color. If you saturate the color by 10%, you get **20.7935, 31.1390, 9.2315**, and if you desaturate by 10%, it is **24.4718, 32.8985, 15.5802**.

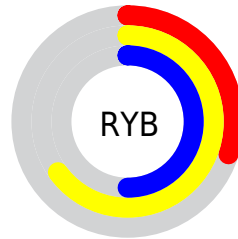
Distribution



Red (46%)

Green (65%)

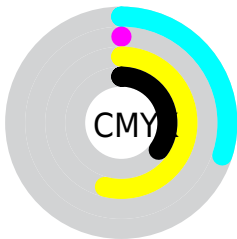
Blue (30%)



Red (30%)

Yellow (65%)

Blue (50%)

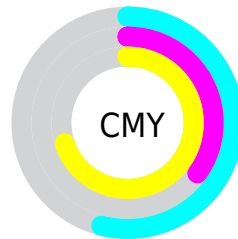


Cyan (30%)

Magenta (0%)

Yellow (54%)

Black (35%)



Cyan (54%)

Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4944, 31.9552, 12.0036 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 22.4944, 31.9552, 12.0036 by changing the saturation by 10% instead.

■ 22.4944, 31.9552,
12.0036

■ 22.4944, 31.9552,
12.0036

257.7015,
310.9151, 215.4079

■ 14.3393, 21.3273,
6.6236

■ 47.0346, 62.7409,
30.1662

■ 8.4403, 13.3634,
3.1530

■ 64.1503, 83.6674,
43.7858

■ 4.4321, 7.6793,
1.1733

■ 84.9837, 108.7956,
60.9890

■ 1.9494, 3.8904,
0.0000

■ 109.8999,
138.5098, 82.1943

■ 0.6053, 1.6125,
0.0000

■ 139.2645,
173.1945, 107.8203

■ 0.0000, 0.3660,
0.0000

173.4427,

■ 0.0000, 0.0000,

213.2340, 138.2856

0.0000

212.7999,
259.0127, 174.0086

■ 22.4944, 31.9552,
12.0036

■ 22.4944, 31.9552,
12.0036

■ 20.7935, 31.1390,
9.2315

■ 24.4718, 32.8985,
15.5802

■ 19.3515, 30.4391,
7.1992

■ 26.7375, 33.9707,
20.0151

■ 18.1517, 29.8495,
5.8358

■ 29.3051, 35.1787,
25.3598

■ 17.1739, 29.3617,
5.0551

■ 32.1867, 36.5277,
31.6613

■ 16.6603, 29.1033,
4.7394

■ 35.3937, 38.0227,
38.9633

■ 38.9367, 39.6682,
47.3067

■ 42.8260, 41.4686,
56.7303

■ 47.0713, 43.4283,
67.2707

■ 51.6820, 45.5511,
78.9631

Harmonies

Analogous

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



28.3460, 31.9552, 8.3853



22.4944, 31.9552, 12.0036



19.1698, 31.9552, 22.1632

Triad

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



22.4944, 31.9552, 12.0036



25.5639, 31.9552, 86.6626



46.3225, 31.9552, 29.1873

Complementary

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



22.4944, 31.9552, 12.0036



18.3828, 12.6108, 38.0263

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.



45.2607, 31.9552, 51.4917



22.4944, 31.9552, 12.0036



32.4933, 31.9552, 90.9823

Square

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



22.4944, 31.9552, 12.0036



20.7362, 31.9552, 66.0358



39.9036, 31.9552, 76.2035



42.6093, 31.9552, 15.3879

Rectangle

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



22.4944, 31.9552, 12.0036



18.4732, 31.9552, 33.8050



39.9036, 31.9552, 76.2035



46.5228, 31.9552, 35.8016

Sweetspot

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



22.4952, 31.9566, 12.0043



56.3516, 64.8127, 53.8340



24.8022, 23.8025, 10.3088



12.3788, 14.3955, 11.5370



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.



22.4952, 31.9566, 12.0043



36.6080, 55.4606, 15.5880



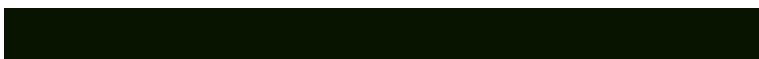
18.3843, 29.8184, 12.6704



7.7414, 8.5648, 8.0344



12.8027, 22.2973, 3.6290



0.3708, 0.5730, 0.0911

Inverse Universe

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



18.3828, 12.6108, 38.0263



28.4196, 17.0303, 67.2646



25.1577, 16.1506, 36.2091



7.5154, 7.4983, 9.4696



8.8320, 3.9365, 28.2698



0.2723, 0.1254, 0.6905

Previews

White Background



This preview shows how the XYZ color 22.4944, 31.9552, 12.0036 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.4944, 31.9552, 12.0036 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 ✓ Pass

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

XYZ 22.4944, 31.9552, 12.0036

Background



This preview shows how black text looks on a background with the XYZ color 22.4944, 31.9552, 12.0036.



This preview shows how white text looks on a background with the XYZ color 22.4944, 31.9552,

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

22.4944, 31.9552, 12.0036

Protanopia

28.9231, 31.6854, 10.7224

Deuteranopia

32.3337, 31.7471, 12.6072



Tritanopia

28.6727, 31.8415, 42.6650

Trichromacy



Original Color

22.4944, 31.9552, 12.0036

Protanomaly

26.0406, 31.4322, 11.1731

Deuteranomaly

27.9411, 31.3867, 12.3702

Tritanomaly

25.7930, 31.7029, 28.0524

Monochromacy



Original Color

22.4944, 31.9552, 12.0036

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.0095, 28.4278, 21.3612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4944, 31.9552, 12.0036 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(117, 167, 77)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 77)  
}
```

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(117, 167, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 77) }
```

Border

The CSS property to change the border of an element to XYZ 22.4944, 31.9552, 12.0036 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(117, 167, 77) }
```


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

```
.border{ border-color:rgb(117, 167, 77) }
```

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

Here you see how a box with a 4 pixel rgb(117, 167, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 167, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 167, 77);  
box-shadow:4px 4px 4px 4px rgb(117, 167,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4944, 31.9552, 12.0036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 77) }
```

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

```
.background{ background-color: rgb(117,  
167, 77) }
```

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