

Converting Colors

XYZ(22.2346, 31.6377, 4.9348)

Have a look what the booklet for
XYZ(22.2346, 31.6377, 4.9348)
contains.

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Color

**XYZ(22.2404, 31.7081,
4.9481)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA600
RGB	126, 166, 0
RGB Percent	49%, 65%, 0%
CMY	0.5059, 0.3490, 0.9999
CMYK	0.24, 0.00, 1.00, 0.35
HSL	74°, 100%, 33%
HSV	74°, 100%, 65%
XYZ	22.2404, 31.7081, 4.9481
YIQ	135.1160, 29.4460, -60.1060

Conversions

Conversions Part 2

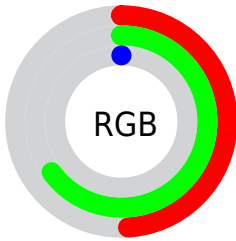
Format	Color
RYB	0, 166, 40
Decimal	8300032
CIELab	63.10, -32.84, 65.01
CIELCh	63, 72.835, 116.803
Yxy	31.7081, 0.3776, 0.5384
Android (android.graphics.Color)	4286490112 (0xFF7EA600)
YUV	135.1160, -66.6122, -7.9947
Hunter-Lab	56.3099, -28.0413, 34.2070

Details

The XYZ color **22.2404, 31.7081, 4.9481** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.7594, 3.2052, 36.2881**, and the grayscale version is **23.3057, 24.5194, 26.7016**.

A 20% lighter version of the original color is **46.6209, 62.2746, 16.0416**, and **8.6158, 13.3742, 2.1274** is the 20% darker color. If you saturate the color by 10%, you get **22.2405, 31.7092, 4.9483**, and if you desaturate by 10%, it is **22.9411, 32.0590, 5.4936**.

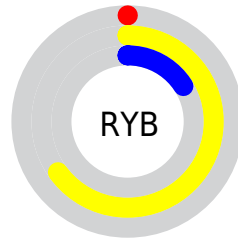
Distribution



Red (49%)

Green (65%)

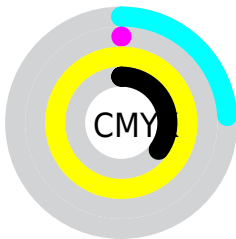
Blue (0%)



Red (0%)

Yellow (65%)

Blue (16%)

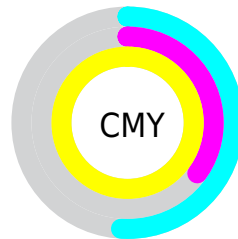


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (51%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2404, 31.7081, 4.9481 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 22.2404, 31.7081, 4.9481 by changing the saturation by 10% instead.

■ 22.2404, 31.7081,
4.9481

■ 22.2404, 31.7081,
4.9481

256.4080,
309.7874, 158.2433

■ 14.1512, 21.1386,
2.1586

■ 46.6189, 62.3532,
16.1433

■ 8.3083, 13.2254,
0.6503

■ 63.6390, 83.1976,
25.3860

■ 4.3463, 7.5839,
0.0000

■ 84.3667, 108.2358,
37.6170

■ 1.8999, 3.8299,
0.0000

■ 109.1675,
137.8522, 53.2546

■ 0.5768, 1.5789,
0.0000

■ 138.4066,
172.4312, 72.7176

■ 0.0000, 0.3433,
0.0000

■ 172.4495,

■ 0.0000, 0.0000,

212.3571, 96.4243

0.0000

211.6615,
258.0144, 124.7934

22.2404, 31.7081,
4.9481

22.2404, 31.7081,
4.9481

22.2405, 31.7092,
4.9483

22.9411, 32.0590,
5.4936

23.7462, 32.4534,
6.4674

24.6903, 32.9061,
8.0471

25.7885, 33.4232,
10.3112

27.0537, 34.0101,
13.3259

■ 28.4973, 34.6711,
17.1502

■ 30.1295, 35.4105,
21.8367

■ 31.9599, 36.2321,
27.4338

■ 33.9971, 37.1394,
33.9865

Harmonies

Analogous

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



31.2277, 31.7081, 3.5112



22.2404, 31.7081, 4.9481



16.6926, 31.7081, 12.2316

Triad

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



22.2404, 31.7081, 4.9481



20.7513, 31.7081, 104.5778



53.8272, 31.7081, 37.7025

Complementary

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



22.2404, 31.7081, 4.9481



7.7594, 3.2052, 36.2881

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.



49.3607, 31.7081, 74.5293



22.2404, 31.7081, 4.9481



29.0732, 31.7081, 124.4362

Square

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



22.2404, 31.7081, 4.9481



15.9766, 31.7081, 65.9559



39.7127, 31.7081, 111.1699



50.8726, 31.7081, 15.1067

Rectangle

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



22.2404, 31.7081, 4.9481



14.9733, 31.7081, 23.3735



39.7127, 31.7081, 111.1699



53.1237, 31.7081, 48.7554

Sweetspot

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



22.2411, 31.7095, 4.9488



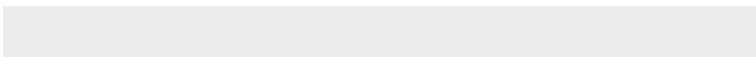
54.5019, 64.1833, 39.1039



16.4440, 9.5419, 0.9755



11.9199, 14.2380, 7.9435



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.



22.2411, 31.7095, 4.9488



40.1640, 57.4439, 8.9709



14.6878, 27.8156, 4.5953



7.9676, 8.6814, 8.0450



17.2888, 24.6099, 3.8390



0.4622, 0.6202, 0.0953

Inverse Universe

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



7.7594, 3.2052, 36.2881



13.9204, 5.7332, 65.8482



14.8728, 6.8723, 36.6210



7.2948, 7.3846, 9.4592



6.0526, 2.5037, 28.1397



0.1914, 0.0837, 0.6867

Previews

White Background



This preview shows how the XYZ color 22.2404, 31.7081, 4.9481 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 22.2404, 31.7081, 4.9481 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 22.2404, 31.7081, 4.9481

Background



This preview shows how black text looks on a background with the XYZ color 22.2404, 31.7081, 4.9481.



This preview shows how white text looks on a background with the XYZ color 22.2404, 31.7081,

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

22.2404, 31.7081, 4.9481

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

31.9588, 31.2519, 5.6441



Tritanopia

29.5152, 31.5639, 41.0961

Trichromacy



Original Color

22.2404, 31.7081, 4.9481

Protanomaly

25.7444, 31.4223, 4.7082

Deuteranomaly

27.5030, 30.8318, 5.1634

Tritanomaly

24.9817, 30.7286, 18.2502

Monochromacy



Original Color

22.2404, 31.7081, 4.9481

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.4743, 26.1352, 12.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2404, 31.7081, 4.9481 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(126, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 166, 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(126, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2404, 31.7081, 4.9481 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(126, 166, 0) }
```


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

```
.border{ border-color:rgb(126, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2404, 31.7081, 4.9481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 166, 0) }
```

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

```
.background{ background-color: rgb(126,  
166, 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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