

Converting Colors

XYZ(13.2864, 22.0566, 1.6151)

Have a look what the booklet for
XYZ(13.2864, 22.0566, 1.6151)
contains.

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Color

**XYZ(13.7586, 22.3516,
3.5891)**

Conversions

Conversions Part 1

Format	Color
Hex	529200
RGB	82, 146, 0
RGB Percent	32%, 57%, 0%
CMY	0.6784, 0.4274, 1.0000
CMYK	0.44, 0.00, 1.00, 0.43
HSL	86°, 100%, 29%
HSV	86°, 100%, 57%
XYZ	13.7586, 22.3516, 3.5891
YIQ	110.2200, 8.7220, -58.9740

Conversions

Conversions Part 2

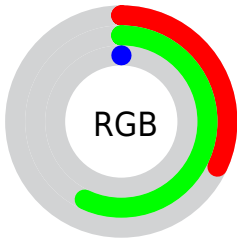
Format	Color
RYB	0, 146, 64
Decimal	5411328
CIELab	54.40, -40.91, 57.25
CIELCh	54, 70.363, 125.548
Yxy	22.3516, 0.3466, 0.5630
Android (android.graphics.Color)	4283601408 (0xFF529200)
YUV	110.2200, -54.3385, -24.7489
Hunter-Lab	47.2775, -30.7889, 28.5932

Details

The XYZ color **13.7586, 22.3516, 3.5891** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.3038, 3.1660, 27.4215**, and the grayscale version is **15.0348, 15.8178, 17.2256**.

A 20% lighter version of the original color is **32.2097, 47.1415, 13.0318**, and **4.4456, 8.3666, 1.3806** is the 20% darker color. If you saturate the color by 10%, you get **13.7587, 22.3523, 3.5893**, and if you desaturate by 10%, it is **14.4254, 22.6864, 4.0561**.

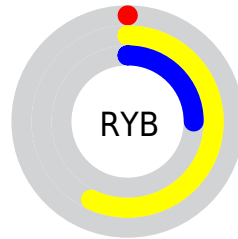
Distribution



Red (32%)

Green (57%)

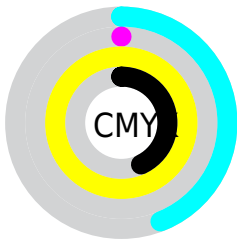
Blue (0%)



Red (0%)

Yellow (57%)

Blue (25%)

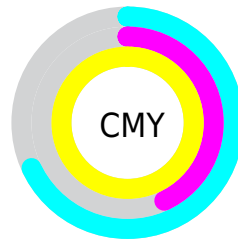


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (68%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7586, 22.3516, 3.5891 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 13.7586, 22.3516, 3.5891 by changing the saturation by 10% instead.

■ 13.7586, 22.3516,
3.5891

■ 13.7586, 22.3516,
3.5891

209.2647,
264.3770, 143.5425

■ 8.0335, 14.1155,
1.4027

■ 32.2499, 47.3264,
13.0504

■ 4.1684, 8.2010,
0.1439

■ 45.7469, 64.8339,
21.1625

■ 1.7978, 4.2238,
0.0000

■ 62.5653, 86.2007,
32.0869

■ 0.5164, 1.7996,
0.0000

■ 83.0703, 111.8111,
46.2421


■ 0.0000, 0.4869,
0.0000

■ 107.6274,
142.0495, 64.0468


■ 0.0000, 0.0000,
0.0000


■ 136.6019,


177.3004, 85.9193


 170.3592,
217.9480, 112.2784


 13.7586, 22.3516,
3.5891


 13.7586, 22.3516,
3.5891


 13.7587, 22.3523,
3.5893

 14.4254, 22.6864,
4.0561

 15.2025, 23.0707,
4.8279

 16.1200, 23.5175,
6.0540

 17.1898, 24.0317,
7.7907

 18.4223, 24.6176,
10.0861

■ 19.8267, 25.2789,
12.9828

■ 21.4116, 26.0193,
16.5193

■ 23.1846, 26.8420,
20.7309

■ 25.1532, 27.7499,
25.6503

Harmonies

Analogous

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



19.8475, 22.3516, 1.8420



13.7586, 22.3516, 3.5891



10.4312, 22.3516, 10.6851

Triad

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



13.7586, 22.3516, 3.5891



15.6955, 22.3516, 86.7756



39.6103, 22.3516, 20.4700

Complementary

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



13.7586, 22.3516, 3.5891



7.3038, 3.1660, 27.4215

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.



37.7375, 22.3516, 46.3971



13.7586, 22.3516, 3.5891



22.7057, 22.3516, 95.4467

Square

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



13.7586, 22.3516, 3.5891



11.3460, 22.3516, 58.1700



31.0472, 22.3516, 77.5710



35.6803, 22.3516, 7.0915

Rectangle

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



13.7586, 22.3516, 3.5891



9.6541, 22.3516, 21.1973



31.0472, 22.3516, 77.5710



39.6476, 22.3516, 27.7725

Sweetspot

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



13.7591, 22.3526, 3.5896



37.5897, 45.8147, 28.7240



13.6473, 9.6967, 1.1526



8.1225, 10.0802, 5.8459



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.7591, 22.3526, 3.5896



24.0740, 39.3289, 6.3224



10.4014, 20.6216, 3.4324



6.0224, 6.6194, 6.2007



12.1330, 19.6827, 3.1597



0.1824, 0.2584, 0.0403

Inverse Universe

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



7.3038, 3.1660, 27.4215



12.6958, 5.4876, 48.3636



15.3859, 7.3325, 27.7997



5.7263, 5.7499, 7.2778



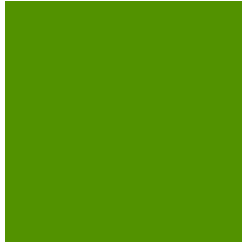
6.4515, 2.7984, 24.1312



0.1119, 0.0512, 0.2969

Previews

White Background



This preview shows how the XYZ color 13.7586, 22.3516, 3.5891 looks on a white background.

Color Contrast Check

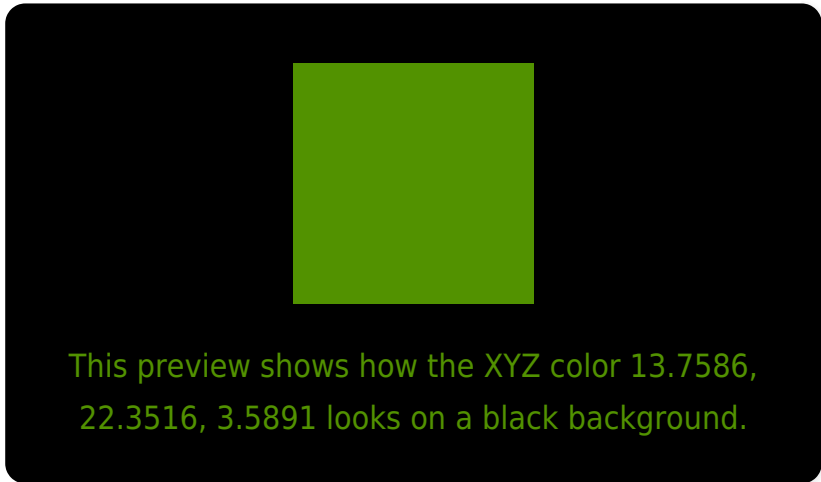
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.7586, 22.3516, 3.5891

Background



This preview shows how black text looks on a background with the XYZ color 13.7586, 22.3516, 3.5891.



This preview shows how white text looks on a background with the XYZ color 13.7586, 22.3516,

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

13.7586, 22.3516, 3.5891

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.4090, 22.0412, 4.2357



Tritanopia

19.2162, 22.3676, 30.9083

Trichromacy



Original Color

13.7586, 22.3516, 3.5891

Protanomaly

16.9725, 21.8193, 3.3170

Deuteranomaly

18.0570, 21.3446, 3.7405

Tritanomaly

15.9127, 21.8915, 13.9765

Monochromacy



Original Color

13.7586, 22.3516, 3.5891

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.4440, 17.3174, 8.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7586, 22.3516, 3.5891 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(82, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 146, 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(82, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7586, 22.3516, 3.5891 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(82, 146, 0) }
```


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

```
.border{ border-color:rgb(82, 146, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 146, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(82, 146, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7586, 22.3516, 3.5891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 146, 0) }
```

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

```
.background{ background-color: rgb(82, 146,  
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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