

Converting Colors

XYZ(12.6777, 22.1570, 0.8901)

Have a look what the booklet for
XYZ(12.6777, 22.1570, 0.8901)
contains.

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Color

**XYZ(13.1814, 22.2839,
3.6065)**

Conversions

Conversions Part 1

Format	Color
Hex	499300
RGB	73, 147, 0
RGB Percent	29%, 58%, 0%
CMY	0.7137, 0.4235, 1.0000
CMYK	0.50, 0.00, 1.00, 0.42
HSL	90°, 100%, 29%
HSV	90°, 100%, 58%
XYZ	13.1814, 22.2839, 3.6065
YIQ	108.1160, 3.0830, -61.4050

Conversions

Conversions Part 2

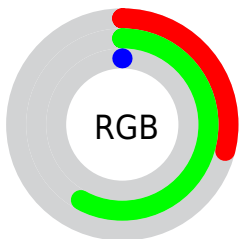
Format	Color
RYB	0, 147, 74
Decimal	4821760
CIELab	54.33, -44.33, 57.02
CIELCh	54, 72.225, 127.859
Yxy	22.2839, 0.3374, 0.5703
Android (android.graphics.Color)	4283011840 (0xFF499300)
YUV	108.1160, -53.3012, -30.7967
Hunter-Lab	47.2058, -32.7672, 28.5144

Details

The XYZ color **13.1814, 22.2839, 3.6065** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.0920, 3.5634, 27.8663**, and the grayscale version is **14.4318, 15.1834, 16.5347**.

A 20% lighter version of the original color is **31.2480, 47.3379, 13.1204**, and **4.1047, 8.1909, 1.3647** is the 20% darker color. If you saturate the color by 10%, you get **13.1814, 22.2846, 3.6066**, and if you desaturate by 10%, it is **13.8606, 22.6250, 4.0778**.

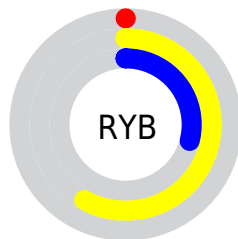
Distribution



Red (29%)

Green (58%)

Blue (0%)



Red (0%)

Yellow (58%)

Blue (29%)

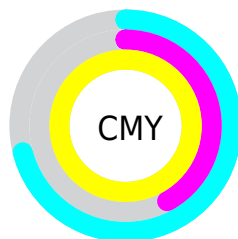


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (71%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1814, 22.2839, 3.6065 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 13.1814, 22.2839, 3.6065 by changing the saturation by 10% instead.

■ 13.1814, 22.2839,
3.6065

■ 13.1814, 22.2839,
3.6065

205.6912,
264.0253, 143.7457

■ 7.6314, 14.0657,
1.4121

■ 31.2278, 47.2148,
13.0916

■ 3.9098, 8.1663,
0.1511

■ 44.4550, 64.6962,
21.2192

■ 1.6513, 4.2016,
0.0000

■ 60.9720, 86.0341,
32.1618

■ 0.4255, 1.7869,
0.0000

■ 81.1441, 111.6130,
46.3377


■ 0.0000, 0.4790,
0.0000


■ 105.3368,
141.8171, 64.1655


■ 0.0000, 0.0000,
0.0000


■ 133.9152,


177.0309, 86.0637


 167.2449,
217.6389, 112.4509


 13.1814, 22.2839,
3.6065


 13.1814, 22.2839,
3.6065


 13.1814, 22.2846,
3.6066

 13.8606, 22.6250,
4.0778

 14.6669, 23.0242,
4.8604

 15.6313, 23.4948,
6.1051

 16.7669, 24.0424,
7.8692

 18.0848, 24.6715,
10.2018

■ 19.5952, 25.3865,
13.1463

■ 21.3072, 26.1913,
16.7417

■ 23.2295, 27.0895,
21.0240

■ 25.3699, 28.0844,
26.0265

Harmonies

Analogous

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



19.1769, 22.2839, 1.6716



13.1814, 22.2839, 3.6065



10.0244, 22.2839, 11.3163

Triad

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



13.1814, 22.2839, 3.6065



15.9714, 22.2839, 90.6558



39.9953, 22.2839, 18.8048

Complementary

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



13.1814, 22.2839, 3.6065



8.0920, 3.5634, 27.8663

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.



38.5253, 22.2839, 44.5475



13.1814, 22.2839, 3.6065



23.3183, 22.2839, 97.5413

Square

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



13.1814, 22.2839, 3.6065



11.3349, 22.2839, 61.7851



31.8961, 22.2839, 77.1175



35.5224, 22.2839, 6.1962

Rectangle

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



13.1814, 22.2839, 3.6065



9.3677, 22.2839, 22.6791



31.8961, 22.2839, 77.1175



40.1967, 22.2839, 25.9197

Sweetspot

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



13.1819, 22.2849, 3.6070



37.9542, 46.8081, 29.5430



14.4492, 11.0354, 1.3688



8.3880, 10.5557, 6.1551



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1819, 22.2849, 3.6070



23.4011, 39.8018, 6.4491



10.4344, 20.8685, 3.4784



5.9875, 6.6014, 6.1991



11.4556, 19.3335, 3.1280



0.1741, 0.2541, 0.0399

Inverse Universe

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



8.0920, 3.5634, 27.8663



14.2854, 6.2749, 49.8928



17.3000, 8.3103, 28.2972



5.7610, 5.7678, 7.2794



7.0431, 3.1034, 24.1588



0.1202, 0.0555, 0.2973

Previews

White Background



This preview shows how the XYZ color 13.1814, 22.2839, 3.6065 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 13.1814, 22.2839, 3.6065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

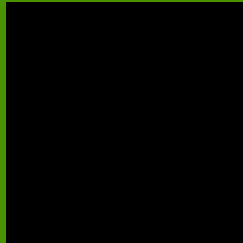
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1814, 22.2839, 3.6065

Background



This preview shows how black text looks on a background with the XYZ color 13.1814, 22.2839, 3.6065.



This preview shows how white text looks on a background with the XYZ color 13.1814, 22.2839,

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

13.1814, 22.2839, 3.6065

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.4216, 22.0462, 4.3019



Tritanopia

18.8052, 22.3566, 31.3411

Trichromacy



Original Color

13.1814, 22.2839, 3.6065

Protanomaly

16.4119, 21.5303, 3.2908

Deuteranomaly

17.5747, 21.2954, 3.8002

Tritanomaly

15.3830, 21.8363, 13.9937

Monochromacy



Original Color

13.1814, 22.2839, 3.6065

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.7530, 16.7816, 8.1972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1814, 22.2839, 3.6065 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(73, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 147, 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(73, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.1814, 22.2839, 3.6065 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(73, 147, 0) }
```


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

```
.border{ border-color:rgb(73, 147, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 147, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 147, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1814, 22.2839, 3.6065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 147, 0) }
```

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

```
.background{ background-color: rgb(73, 147,  
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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