

Converting Colors

XYZ(13.5841, 22.9348, 4.5834)

Have a look what the booklet for
XYZ(13.5841, 22.9348, 4.5834)
contains.

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Color

**XYZ(13.5848, 22.9386,
4.5757)**

Conversions

Conversions Part 1

Format	Color
Hex	489518
RGB	72, 149, 24
RGB Percent	28%, 58%, 9%
CMY	0.7176, 0.4157, 0.9059
CMYK	0.52, 0.00, 0.84, 0.42
HSL	97°, 72%, 34%
HSV	97°, 84%, 58%
XYZ	13.5848, 22.9386, 4.5757
YIQ	111.7270, -5.7670, -55.1990

Conversions

Conversions Part 2

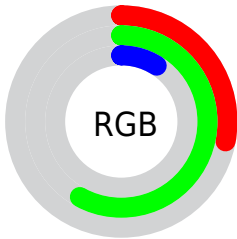
Format	Color
R_{YB}	24, 149, 101
Decimal	4756760
CIE _{Lab}	55.01, -44.65, 52.90
CIE _{LCh}	55, 69.222, 130.169
Yxy	22.9386, 0.3305, 0.5581
Android (android.graphics.Color)	4282946840 (0xFF489518)
YUV	111.7270, -43.2494, -34.8406
Hunter-Lab	47.8943, -33.1849, 27.8616

Details

The XYZ color **13.5848, 22.9386, 4.5757** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.1197, 5.5907, 28.9282**, and the grayscale version is **15.4456, 16.2500, 17.6962**.

A 20% lighter version of the original color is **31.9429, 48.3541, 15.2391**, and **4.2747, 8.5494, 1.4249** is the 20% darker color. If you saturate the color by 10%, you get **12.8363, 22.5667, 3.9407**, and if you desaturate by 10%, it is **14.5213, 23.3990, 5.6624**.

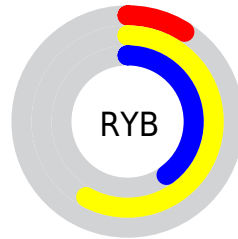
Distribution



Red (28%)

Green (58%)

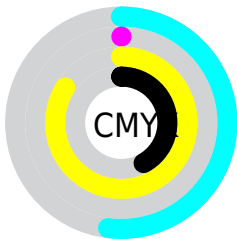
Blue (9%)



Red (9%)

Yellow (58%)

Blue (40%)

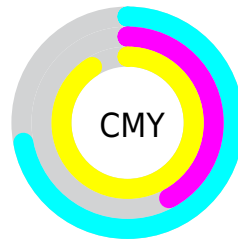


Cyan (52%)

Magenta (0%)

Yellow (84%)

Black (42%)



Cyan (72%)

Magenta (42%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5848, 22.9386, 4.5757 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 13.5848, 22.9386, 4.5757 by changing the saturation by 10% instead.

■ 13.5848, 22.9386,
4.5757

■ 13.5848, 22.9386,
4.5757

208.1950,
267.4095, 154.4241

■ 7.9122, 14.5482,
1.9462

■ 31.9429, 48.2925,
15.3171

■ 4.0902, 8.5029,
0.5219

■ 45.3592, 66.0247,
24.2661

■ 1.7533, 4.4184,
0.0000

■ 62.0874, 87.6397,
36.1587

■ 0.4893, 1.9103,
0.0000

■ 82.4929, 113.5218,
51.4134

■ 0.0000, 0.5545,
0.0000

■ 106.9411,
144.0555, 70.4487

■ 0.0000, 0.0000,
0.0000

■ 135.7973,

179.6250, 93.6833

169.4268,
220.6149, 121.5356

13.5848, 22.9386,
4.5757

13.5848, 22.9386,
4.5757

12.8363, 22.5667,
3.9407

14.5213, 23.3990,
5.6624

12.4474, 22.3720,
3.6622

15.6606, 23.9521,
7.2640

17.0175, 24.6049,
9.4349

18.6046, 25.3631,
12.2220

20.4336, 26.2316,
15.6674

■ 22.5151, 27.2151,
19.8096

■ 24.8592, 28.3181,
24.6841

■ 27.4752, 29.5446,
30.3238

■ 30.3721, 30.8985,
36.7599

Harmonies

Analogous

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



19.2936, 22.9386, 2.1784



13.5848, 22.9386, 4.5757



10.6376, 22.9386, 13.1847

Triad

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



13.5848, 22.9386, 4.5757



17.1593, 22.9386, 89.7839



39.8445, 22.9386, 18.2182

Complementary

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



13.5848, 22.9386, 4.5757



11.1197, 5.5907, 28.9282

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.



38.8884, 22.9386, 42.2812



13.5848, 22.9386, 4.5757



24.5199, 22.9386, 94.1876

Square

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



13.5848, 22.9386, 4.5757



12.3397, 22.9386, 63.4822



32.8042, 22.9386, 73.3502



35.1722, 22.9386, 6.4037

Rectangle

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



13.5848, 22.9386, 4.5757



10.1031, 22.9386, 25.1017



32.8042, 22.9386, 73.3502



40.1928, 22.9386, 24.8512

Sweetspot

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



13.5853, 22.9396, 4.5762



39.6853, 48.4373, 34.1875



17.0222, 15.3803, 2.9360



8.5274, 10.6081, 7.0398



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.



13.5853, 22.9396, 4.5762



22.1031, 39.9668, 6.5494



11.4510, 21.8207, 5.3181



5.9276, 6.5705, 6.1963



10.5069, 18.8444, 3.0836



0.1597, 0.2467, 0.0392

Inverse Universe

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



11.1197, 5.5907, 28.9282



17.3763, 7.8355, 51.5178



17.2016, 8.8353, 24.2793



5.8218, 5.7991, 7.2822



8.2965, 3.7496, 24.2175



0.1345, 0.0629, 0.2980

Previews

White Background



This preview shows how the XYZ color 13.5848, 22.9386, 4.5757 looks on a white background.

Color Contrast Check

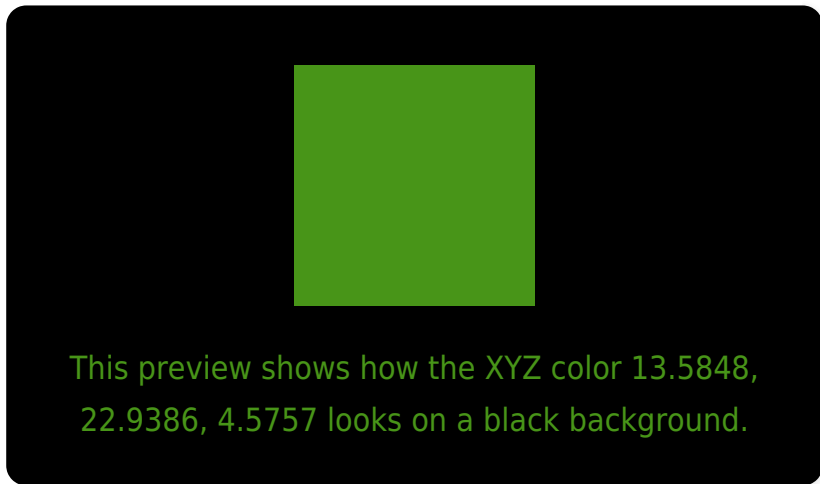
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5848, 22.9386, 4.5757

Background



This preview shows how black text looks on a background with the XYZ color 13.5848, 22.9386, 4.5757.



This preview shows how white text looks on a background with the XYZ color 13.5848, 22.9386,

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

13.5848, 22.9386, 4.5757

Protanopia

20.4466, 22.5755, 3.8960

Deuteranopia

22.8673, 22.4478, 4.9613



Tritanopia

19.1513, 22.9426, 32.2731

Trichromacy



Original Color

13.5848, 22.9386, 4.5757

Protanomaly

16.9696, 22.2242, 4.1048

Deuteranomaly

18.0221, 21.7102, 4.6795

Tritanomaly

16.0675, 22.5757, 16.6074

Monochromacy



Original Color

13.5848, 22.9386, 4.5757

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

13.7113, 17.7878, 10.3001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5848, 22.9386, 4.5757 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(72, 149, 24)` looks like.

```
.text, #text, p{  
    color:rgb(72, 149, 24)  
}
```

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(72, 149, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 149, 24) }
```

Border

The CSS property to change the border of an element to XYZ 13.5848, 22.9386, 4.5757 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(72, 149, 24) }
```


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

```
.border{ border-color:rgb(72, 149, 24) }
```

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

Here you see how a box with a 4 pixel rgb(72, 149, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 149, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 149, 24);  
box-shadow:4px 4px 4px 4px rgb(72, 149,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5848, 22.9386, 4.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 149, 24) }
```

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

```
.background{ background-color: rgb(72, 149,  
24) }
```

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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