

Converting Colors

XYZ(13.8759, 22.5029, 20.4418)

Have a look what the booklet for
XYZ(13.8759, 22.5029, 20.4418)
contains.

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Color

**XYZ(13.8759, 22.5029,
20.4418)**

Conversions

Conversions Part 1

Format	Color
Hex	069475
RGB	6, 148, 117
RGB Percent	2%, 58%, 46%
CMY	0.9764, 0.4196, 0.5412
CMYK	0.96, 0.00, 0.21, 0.42
HSL	167°, 92%, 30%
HSV	167°, 96%, 58%
XYZ	13.8759, 22.5029, 20.4418
YIQ	102.0080, -74.6810, -39.7450

Conversions

Conversions Part 2

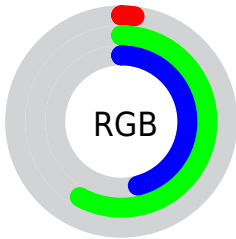
Format	Color
RYB	6, 86, 148
Decimal	431221
CIELab	54.56, -40.85, 7.13
CIElCh	55, 41.465, 170.100
Yxy	22.5029, 0.2442, 0.3960
Android (android.graphics.Color)	4278621301 (0xFF069475)
YUV	102.0080, 7.3911, -84.1990
Hunter-Lab	47.4372, -30.8020, 7.6566

Details

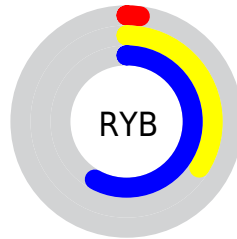
The XYZ color **13.8759, 22.5029, 20.4418** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6126, 6.5603, 2.3529**, and the grayscale version is **12.6279, 13.2856, 14.4680**.

A 20% lighter version of the original color is **32.4478, 47.6027, 45.0142**, and **5.2570, 8.7954, 7.0508** is the 20% darker color. If you saturate the color by 10%, you get **13.7246, 22.4343, 20.0351**, and if you desaturate by 10%, it is **14.2999, 22.6997, 21.4712**.

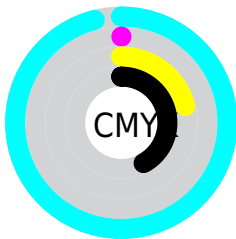
Distribution



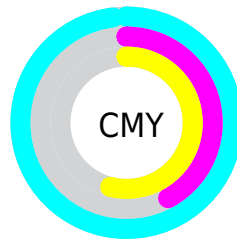
- Red (2%)
- Green (58%)
- Blue (46%)



- Red (2%)
- Yellow (34%)
- Blue (58%)



- Cyan (96%)
- Magenta (0%)
- Yellow (21%)
- Black (42%)




- Cyan (98%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8759, 22.5029, 20.4418 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 13.8759, 22.5029, 20.4418 by changing the saturation by 10% instead.


 13.8759, 22.5029,
20.4418


 13.8759, 22.5029,
20.4418


209.9835,
265.1614, 266.9798


 8.1155, 14.2269,
12.5293


 32.4568, 47.5758,
45.0253


 4.2214, 8.2786,
6.9784


 46.0080, 65.1415,
62.5335


 1.8281, 4.2738,
3.3703

 62.8869, 86.5725,
84.0773

 0.5345, 1.8278,
1.2867

 83.4587, 112.2532,
110.0752

 0.0000, 0.5044,
0.0509

 108.0890,
142.5681, 140.9459

 0.0000, 0.0000,
0.0000

 137.1430,

177.9015, 177.1079

170.9860,
218.6378, 218.9797

■ 13.8759, 22.5029,
20.4418

■ 13.8759, 22.5029,
20.4418

■ 13.7246, 22.4343,
20.0351

■ 14.2999, 22.6997,
21.4712

■ 14.9087, 22.9904,
22.5434

■ 15.7371, 23.3936,
23.6608

■ 16.8088, 23.9215,
24.8248

■ 18.1443, 24.5845,
26.0367

■ 19.7620, 25.3922,
27.2976

■ 21.6786, 26.3532,
28.6088

■ 23.9093, 27.4753,
29.9712

■ 26.4685, 28.7660,
31.3857

Harmonies

Analogous

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



15.3544, 22.5029, 11.6883



13.8759, 22.5029, 20.4418



14.1798, 22.5029, 34.1602

Triad

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



13.8759, 22.5029, 20.4418



24.5379, 22.5029, 56.3656



27.5050, 22.5029, 9.8687

Complementary

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



13.8759, 22.5029, 20.4418



12.6126, 6.5603, 2.3529

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.



30.7007, 22.5029, 16.8607



13.8759, 22.5029, 20.4418



28.8263, 22.5029, 44.3430

Square

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



13.8759, 22.5029, 20.4418



19.9192, 22.5029, 58.3987



31.2158, 22.5029, 29.0667



22.9279, 22.5029, 7.1802

Rectangle

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



13.8759, 22.5029, 20.4418



15.3702, 22.5029, 44.4428



31.2158, 22.5029, 29.0667



28.8023, 22.5029, 11.6473

Sweetspot

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



13.8765, 22.5038, 20.4423



36.9552, 45.8476, 49.6242



11.4654, 21.6279, 3.7430



8.1384, 10.3168, 11.1230



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.



13.8765, 22.5038, 20.4423



24.1497, 39.5565, 35.0032



11.0116, 13.3588, 30.0161



5.9105, 6.5408, 7.1394



11.7329, 19.1660, 17.1669



0.1544, 0.2389, 0.2669

Inverse Universe

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



12.6126, 6.5603, 2.3529



21.9624, 11.2742, 3.1863



13.1422, 8.1015, 1.0437



5.8496, 5.8349, 6.3140



10.6668, 5.4718, 1.7266



0.1399, 0.0707, 0.0702

Previews

White Background



This preview shows how the XYZ color 13.8759, 22.5029, 20.4418 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 13.8759, 22.5029, 20.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

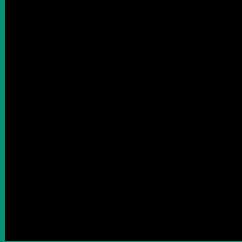
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8759, 22.5029, 20.4418

Background



This preview shows how black text looks on a background with the XYZ color 13.8759, 22.5029, 20.4418.



This preview shows how white text looks on a background with the XYZ color 13.8759, 22.5029,

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

13.8759, 22.5029, 20.4418

Protanopia

20.8736, 22.1016, 17.3532

Deuteranopia

22.5235, 22.0921, 21.4894



Tritanopia

16.8210, 22.5694, 34.4801

Trichromacy



Original Color

13.8759, 22.5029, 20.4418



Protanomaly

15.7932, 20.8799, 18.2368



Deuteranomaly

16.3938, 20.5108, 20.8642



Tritanomaly

15.4982, 22.4652, 28.7187

Monochromacy



Original Color

13.8759, 22.5029, 20.4418



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.5654, 15.4485, 16.2822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8759, 22.5029, 20.4418 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(6, 148, 117)` looks like.

```
.text, #text, p{  
    color:rgb(6, 148, 117)  
}
```

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(6, 148, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 148, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.8759, 22.5029, 20.4418 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(6, 148, 117) }
```


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

```
.border{ border-color:rgb(6, 148, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 148, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 148, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 148, 117);  
box-shadow:4px 4px 4px 4px rgb(6, 148,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8759, 22.5029, 20.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 148, 117) }
```

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

```
.background{ background-color: rgb(6, 148,  
117) }
```

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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