

Converting Colors

XYZ(8.1210, 19.3187, 19.6625)

Have a look what the booklet for
XYZ(8.1210, 19.3187, 19.6625)
contains.

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Color

**XYZ(13.5282, 22.1052,
19.7734)**

Conversions

Conversions Part 1

Format	Color
Hex	009373
RGB	0, 147, 115
RGB Percent	0%, 58%, 45%
CMY	1.0000, 0.4235, 0.5490
CMYK	1.00, 0.00, 0.22, 0.42
HSL	167°, 100%, 29%
HSV	167°, 100%, 58%
XYZ	13.5282, 22.1052, 19.7734
YIQ	99.3990, -77.3400, -41.1160

Conversions

Conversions Part 2

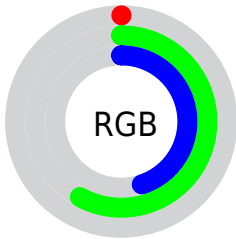
Format	Color
RYB	0, 82, 147
Decimal	37747
CIELab	54.14, -41.26, 7.67
CIELCh	54, 41.970, 169.470
Yxy	22.1052, 0.2442, 0.3990
Android (android.graphics.Color)	4278227827 (0xFF009373)
YUV	99.3990, 7.6913, -87.1729
Hunter-Lab	47.0162, -30.9176, 7.9760

Details

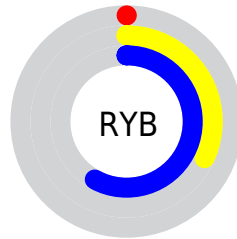
The XYZ color **13.5282, 22.1052, 19.7734** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.2940, 6.3079, 1.9370**, and the grayscale version is **11.9567, 12.5794, 13.6990**.

A 20% lighter version of the original color is **31.8419, 46.9624, 43.9456**, and **5.1053, 8.5897, 6.6991** is the 20% darker color. If you saturate the color by 10%, you get **13.5285, 22.1059, 19.7731**, and if you desaturate by 10%, it is **13.9084, 22.2801, 20.7699**.

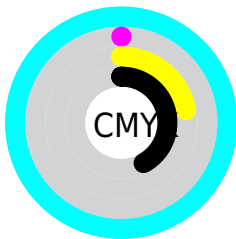
Distribution



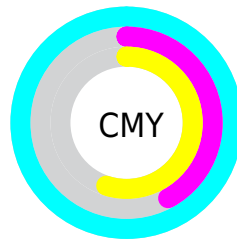
- Red (0%)
- Green (58%)
- Blue (45%)



- Red (0%)
- Yellow (32%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5282, 22.1052, 19.7734 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 13.5282, 22.1052, 19.7734 by changing the saturation by 10% instead.

■ 13.5282, 22.1052,
19.7734

■ 13.5282, 22.1052,
19.7734

207.8455,
263.0952, 263.2493

■ 7.8728, 13.9342,
12.0480

■ 31.8428, 46.9198,
43.8909

■ 4.0648, 8.0749,
6.6534

■ 45.2327, 64.3322,
61.1201

■ 1.7388, 4.1429,
3.1712

■ 61.9315, 85.5939,
82.3543

■ 0.4804, 1.7538,
1.1827

■ 82.3044, 111.0893,
108.0120

■ 0.0000, 0.4582,
0.0000

■ 106.7170,
141.2027, 138.5119

■ 0.0000, 0.0000,
0.0000

■ 135.5344,

176.3185, 174.2723

169.1222,
216.8212, 215.7119

■ 13.5282, 22.1052,
19.7734

■ 13.5282, 22.1052,
19.7734

■ 13.5285, 22.1059,
19.7731

■ 13.9084, 22.2801,
20.7699

■ 14.4284, 22.5258,
21.8062

■ 15.1539, 22.8766,
22.8861

■ 16.1099, 23.3456,
24.0111

■ 17.3177, 23.9435,
25.1826

■ 18.7961, 24.6802,
26.4018

■ 20.5620, 25.5643,
27.6697

■ 22.6312, 26.6040,
28.9874

■ 25.0180, 27.8067,
30.3559

Harmonies

Analogous

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



15.0366, 22.1052, 11.1804



13.5282, 22.1052, 19.7734



13.7931, 22.1052, 33.4252

Triad

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



13.5282, 22.1052, 19.7734



24.0639, 22.1052, 56.2702



27.2251, 22.1052, 9.6042

Complementary

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



13.5282, 22.1052, 19.7734



12.2940, 6.3079, 1.9370

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.



30.3871, 22.1052, 16.6450



13.5282, 22.1052, 19.7734



28.3875, 22.1052, 44.3030

Square

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



13.5282, 22.1052, 19.7734



19.4514, 22.1052, 58.0699



30.8408, 22.1052, 28.9452



22.6504, 22.1052, 6.8815

Rectangle

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



13.5282, 22.1052, 19.7734



14.9535, 22.1052, 43.7717



30.8408, 22.1052, 28.9452



28.5149, 22.1052, 11.3948

Sweetspot

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



13.5288, 22.1061, 19.7739



36.6093, 45.6737, 49.4066



11.1041, 21.2135, 3.5097



8.0691, 10.2820, 11.0779



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.



13.5288, 22.1061, 19.7739



24.1593, 39.5603, 35.0538



10.6088, 12.7907, 29.5144



5.9106, 6.5408, 7.1402



11.7375, 19.1678, 17.1910



0.1544, 0.2389, 0.2671

Inverse Universe

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



12.2940, 6.3079, 1.9370



21.9602, 11.2734, 3.1751



12.7655, 7.6681, 0.8076



5.8494, 5.8348, 6.3132



10.6657, 5.4713, 1.7208



0.1398, 0.0707, 0.0700

Previews

White Background



This preview shows how the XYZ color 13.5282, 22.1052, 19.7734 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 13.5282, 22.1052, 19.7734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

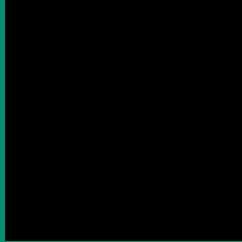
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5282, 22.1052, 19.7734

Background



This preview shows how black text looks on a background with the XYZ color 13.5282, 22.1052, 19.7734.



This preview shows how white text looks on a background with the XYZ color 13.5282, 22.1052,

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

13.5282, 22.1052, 19.7734

Protanopia

20.6051, 21.9754, 16.7913

Deuteranopia

22.2749, 21.7911, 20.8014



Tritanopia

16.5050, 22.2038, 33.5529

Trichromacy



Original Color

13.5282, 22.1052, 19.7734

Protanomaly

15.4950, 20.7387, 17.6543

Deuteranomaly

15.9349, 20.0858, 20.1766

Tritanomaly

15.1402, 22.0718, 27.8884

Monochromacy



Original Color

13.5282, 22.1052, 19.7734

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8451, 14.5675, 15.6048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5282, 22.1052, 19.7734 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(0, 147, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 115)  
}
```

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(0, 147, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.5282, 22.1052, 19.7734 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(0, 147, 115) }
```


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

```
.border{ border-color:rgb(0, 147, 115) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5282, 22.1052, 19.7734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 115) }
```

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

```
.background{ background-color: rgb(0, 147,  
115) }
```

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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