

Converting Colors

XYZ(13.8370, 19.7594, 21.5277)

Have a look what the booklet for
XYZ(13.8370, 19.7594, 21.5277)
contains.

XYZ(13.8383, 19.7977, 21.5043)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8383, 19.7977,
21.5043)**

Conversions

Conversions Part 1

Format	Color
Hex	36887A
RGB	54, 136, 122
RGB Percent	21%, 53%, 48%
CMY	0.7882, 0.4667, 0.5216
CMYK	0.60, 0.00, 0.10, 0.47
HSL	170°, 43%, 37%
HSV	170°, 60%, 53%
XYZ	13.8383, 19.7977, 21.5043
YIQ	109.8860, -44.3780, -21.7380

Conversions

Conversions Part 2

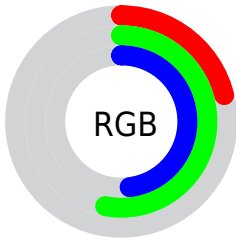
Format	Color
RYB	54, 99, 136
Decimal	3573882
CIELab	51.61, -28.37, 0.09
CIElCh	52, 28.375, 179.810
Yxy	19.7977, 0.2510, 0.3590
Android (android.graphics.Color)	4281763962 (0xFF36887A)
YUV	109.8860, 5.9722, -49.0120
Hunter-Lab	44.4946, -22.3501, 2.4913

Details

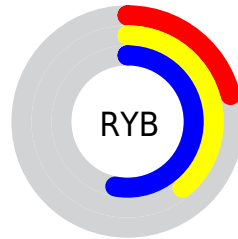
The XYZ color **13.8383, 19.7977, 21.5043** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5165, 8.2904, 6.4100**, and the grayscale version is **14.7814, 15.5511, 16.9352**.

A 20% lighter version of the original color is **32.3601, 43.1341, 46.6646**, and **4.5304, 7.1366, 7.4421** is the 20% darker color. If you saturate the color by 10%, you get **13.0660, 19.4165, 20.7263**, and if you desaturate by 10%, it is **14.8194, 20.2871, 22.3109**.

Distribution



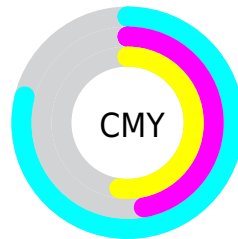
- Red (21%)
- Green (53%)
- Blue (48%)



- Red (21%)
- Yellow (39%)
- Blue (53%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (47%)



- Cyan (79%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8383, 19.7977, 21.5043 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 13.8383, 19.7977, 21.5043 by changing the saturation by 10% instead.

■ 13.8383, 19.7977,
21.5043

■ 13.8383, 19.7977,
21.5043

209.7534,
250.8178, 272.8151

■ 8.0892, 12.2481,
13.2983

■ 32.3905, 43.0778,
46.8170

■ 4.2044, 6.9129,
7.5011

■ 45.9244, 59.5770,
64.7607

■ 1.8184, 3.4077,
3.6943

■ 62.7839, 79.8282,
86.7875

■ 0.5287, 1.3481,
1.4592

■ 83.3343, 104.2158,
113.3158

■ 0.0000, 0.1780,
0.1872

■ 107.9412,
133.1241, 144.7641

■ 0.0000, 0.0000,
0.0000

■ 136.9697,

166.9377, 181.5511

170.7853,
206.0408, 224.0953

■ 13.8383, 19.7977,
21.5043

■ 13.8383, 19.7977,
21.5043

■ 13.0660, 19.4165,
20.7263

■ 14.8194, 20.2871,
22.3109

■ 12.4832, 19.1320,
19.9746

■ 16.0230, 20.8904,
23.1455

■ 12.0699, 18.9347,
19.2486

■ 17.4637, 21.6155,
24.0094

■ 11.7727, 18.7963,
18.5655

■ 19.1545, 22.4690,
24.9033

■ 21.1072, 23.4573,
25.8279

■ 23.3329, 24.5858,
26.7838

■ 25.8423, 25.8602,
27.7717

■ 28.6452, 27.2855,
28.7921

■ 31.7511, 28.8665,
29.8456

Harmonies

Analogous

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



14.4546, 19.7977, 14.5697



13.8383, 19.7977, 21.5043



14.4394, 19.7977, 30.3675

Triad

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



13.8383, 19.7977, 21.5043



21.6841, 19.7977, 38.3034



21.7187, 19.7977, 10.6116

Complementary

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



13.8383, 19.7977, 21.5043



12.5165, 8.2904, 6.4100

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.



24.0007, 19.7977, 14.6393



13.8383, 19.7977, 21.5043



23.9794, 19.7977, 30.4810

Square

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



13.8383, 19.7977, 21.5043



18.7989, 19.7977, 41.4413



24.8664, 19.7977, 21.6084



18.8353, 19.7977, 9.3354

Rectangle

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



13.8383, 19.7977, 21.5043



15.4882, 19.7977, 35.9568



24.8664, 19.7977, 21.6084



22.5918, 19.7977, 11.6283

Sweetspot

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



13.8389, 19.7985, 21.5048



34.3730, 39.9084, 44.1911



11.9272, 19.1419, 6.5565



7.7669, 9.1445, 10.1381



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.8389, 19.7985, 21.5048



22.6544, 34.0344, 36.0865



11.5454, 13.7216, 25.3334



5.1368, 5.6742, 6.2414



11.1451, 17.7906, 17.5866



0.0785, 0.1200, 0.1405

Inverse Universe

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



12.5165, 8.2904, 6.4100



20.1367, 11.8968, 7.1789



13.6861, 11.2336, 4.9374



5.0655, 5.0616, 5.4333



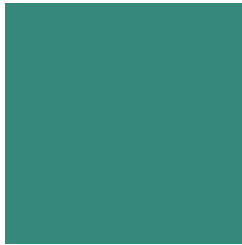
9.7609, 5.0145, 1.2453



0.0686, 0.0348, 0.0281

Previews

White Background



This preview shows how the XYZ color 13.8383, 19.7977, 21.5043 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 13.8383, 19.7977, 21.5043 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 13.8383, 19.7977, 21.5043

Background



This preview shows how black text looks on a background with the XYZ color 13.8383, 19.7977, 21.5043.

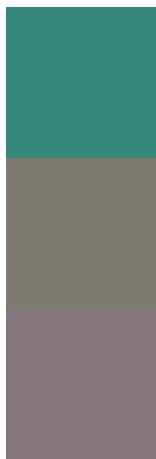


This preview shows how white text looks on a background with the XYZ color 13.8383, 19.7977,

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

13.8383, 19.7977, 21.5043

Protanopia

18.6010, 19.5696, 18.7165

Deuteranopia

20.0356, 19.6866, 22.4826



Tritanopia

15.4715, 19.8454, 29.4007

Trichromacy



Original Color

13.8383, 19.7977, 21.5043

Protanomaly

16.0558, 19.1724, 19.6840

Deuteranomaly

16.7442, 19.0910, 22.2044

Tritanomaly

14.8325, 19.7884, 26.3303

Monochromacy



Original Color

13.8383, 19.7977, 21.5043

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.8505, 16.5822, 18.3903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8383, 19.7977, 21.5043 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(54, 136, 122)` looks like.

```
.text, #text, p{  
    color:rgb(54, 136, 122)  
}
```

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(54, 136, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 136, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.8383, 19.7977, 21.5043 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(54, 136, 122) }
```


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

```
.border{ border-color:rgb(54, 136, 122) }
```

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

Here you see how a box with a 4 pixel rgb(54, 136, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 136, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 136, 122);  
box-shadow:4px 4px 4px 4px rgb(54, 136,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8383, 19.7977, 21.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 136, 122) }
```

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

```
.background{ background-color: rgb(54, 136,  
122) }
```

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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