

Converting Colors

XYZ(13.3379, 18.5043, 21.9181)

Have a look what the booklet for
XYZ(13.3379, 18.5043, 21.9181)
contains.

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Color

**XYZ(13.3299, 18.5001,
21.9371)**

Conversions

Conversions Part 1

Format	Color
Hex	37837C
RGB	55, 131, 124
RGB Percent	22%, 51%, 49%
CMY	0.7843, 0.4863, 0.5137
CMYK	0.58, 0.00, 0.05, 0.49
HSL	174°, 41%, 36%
HSV	174°, 58%, 51%
XYZ	13.3299, 18.5001, 21.9371
YIQ	107.4780, -43.0490, -18.2890

Conversions

Conversions Part 2

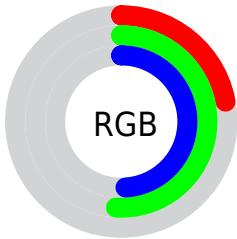
Format	Color
RYB	55, 95, 131
Decimal	3638140
CIELab	50.10, -25.13, -3.29
CIELCh	50, 25.339, 187.453
Yxy	18.5001, 0.2479, 0.3441
Android (android.graphics.Color)	4281828220 (0xFF37837C)
YUV	107.4780, 8.1453, -46.0232
Hunter-Lab	43.0117, -19.9511, -0.1312




Details

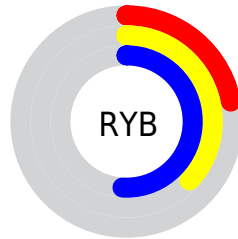
The XYZ color **13.3299, 18.5001, 21.9371** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5963, 7.9059, 5.4727**, and the grayscale version is **14.0950, 14.8290, 16.1488**.




A 20% lighter version of the original color is **31.4074, 40.7306, 47.2807**, and **4.2124, 6.3929, 7.6685** is the 20% darker color. If you saturate the color by 10%, you get **12.6297, 18.1484, 21.5087**, and if you desaturate by 10%, it is **14.2226, 18.9519, 22.3802**.

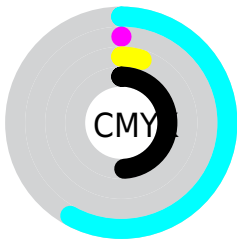
Distribution







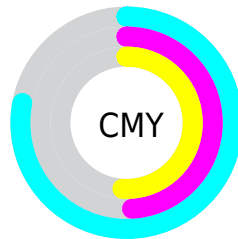
-  Red (22%)
-  Green (51%)
-  Blue (49%)






-  Red (22%)
-  Yellow (37%)
-  Blue (51%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (49%)



-  Cyan (78%)
-  Magenta (49%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3299, 18.5001, 21.9371 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 13.3299, 18.5001, 21.9371 by changing the saturation by 10% instead.

■ 13.3299, 18.5001,
21.9371

■ 13.3299, 18.5001,
21.9371

■ 206.6164,
243.6750, 275.1604

■ 7.7347, 11.3096,
13.6128

■ 31.4915, 40.8877,
47.5429

■ 3.9760, 6.2755,
7.7162

■ 44.7886, 56.8535,
65.6614

■ 1.6886, 3.0133,
3.8287

■ 61.3837, 76.5133,
87.8818

■ 0.4491, 1.1387,
1.5319

■ 81.6421, 100.2514,
114.6226

■ 0.0000, 0.0108,
0.2415

■ 105.9292,
128.4523, 146.3023

■ 0.0000, 0.0000,
0.0000

■ 134.6104,

161.5002, 183.3395

168.0510,
199.7796, 226.1527

■ 13.3299, 18.5001,
21.9371

■ 13.3299, 18.5001,
21.9371

■ 12.6297, 18.1484,
21.5087

■ 14.2226, 18.9519,
22.3802

■ 12.1051, 17.8865,
21.0930

■ 15.3201, 19.5086,
22.8373

■ 11.7386, 17.7061,
20.6895

■ 16.6352, 20.1776,
23.3096

■ 11.4894, 17.5861,
20.2964

■ 18.1796, 20.9645,
23.7975

■ 11.4424, 17.5636,
20.2190

■ 19.9640, 21.8751,
24.3016

■ 21.9982, 22.9143,
24.8224

■ 24.2918, 24.0872,
25.3602

■ 26.8538, 25.3983,
25.9156

■ 29.6925, 26.8520,
26.4890

Harmonies

Analogous

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



13.5969, 18.5001, 15.4180



13.3299, 18.5001, 21.9371



14.1160, 18.5001, 29.4691

Triad

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



13.3299, 18.5001, 21.9371



20.5940, 18.5001, 32.8039



19.4449, 18.5001, 10.1077

Complementary

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



13.3299, 18.5001, 21.9371



11.5963, 7.9059, 5.4727

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.



21.5775, 18.5001, 13.0275



13.3299, 18.5001, 21.9371



22.2826, 18.5001, 25.7475

Square

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



13.3299, 18.5001, 21.9371



18.1994, 18.5001, 36.6200



22.6582, 18.5001, 18.4504



16.9822, 18.5001, 9.5418

Rectangle

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



13.3299, 18.5001, 21.9371



15.1785, 18.5001, 33.7255



22.6582, 18.5001, 18.4504



20.2306, 18.5001, 10.8073

Sweetspot

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



13.3304, 18.5008, 21.9375



32.7407, 37.6364, 42.6699



10.8308, 17.5528, 6.4319



7.5076, 8.7038, 9.9000



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.3304, 18.5008, 21.9375



22.2432, 32.3118, 38.2453



10.2877, 11.6813, 23.1861



4.7836, 5.2717, 5.8718



11.2634, 17.2882, 19.9044



0.0404, 0.0604, 0.0760

Inverse Universe

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



11.5963, 7.9059, 5.4727



18.8339, 11.3819, 5.8010



13.3303, 11.6618, 5.1630



4.6887, 4.6952, 4.9731



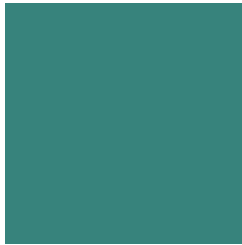
9.2798, 4.7763, 0.7800



0.0332, 0.0170, 0.0083

Previews

White Background



This preview shows how the XYZ color 13.3299, 18.5001, 21.9371 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 13.3299, 18.5001, 21.9371 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 13.3299, 18.5001, 21.9371

Background



This preview shows how black text looks on a background with the XYZ color 13.3299, 18.5001, 21.9371.



This preview shows how white text looks on a background with the XYZ color 13.3299, 18.5001,

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

13.3299, 18.5001, 21.9371

Protanopia

17.5160, 18.2828, 19.1287

Deuteranopia

18.5657, 18.2294, 22.6188



Tritanopia

14.4349, 18.5567, 27.2471

Trichromacy



Original Color

13.3299, 18.5001, 21.9371

Protanomaly

15.3425, 18.0392, 20.1260

Deuteranomaly

15.8588, 17.8904, 22.3560

Tritanomaly

14.0893, 18.6163, 25.4050

Monochromacy



Original Color

13.3299, 18.5001, 21.9371

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2505, 15.7577, 17.9660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3299, 18.5001, 21.9371 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(55, 131, 124)` looks like.

```
.text, #text, p{  
    color:rgb(55, 131, 124)  
}
```

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(55, 131, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 131, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.3299, 18.5001, 21.9371 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(55, 131, 124) }
```


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

```
.border{ border-color:rgb(55, 131, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 131, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 131, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 131, 124);  
box-shadow:4px 4px 4px 4px rgb(55, 131,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3299, 18.5001, 21.9371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 131, 124) }
```

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

```
.background{ background-color: rgb(55, 131,  
124) }
```

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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