

Converting Colors

XYZ(13.7307, 20.1482, 19.4351)

Have a look what the booklet for
XYZ(13.7307, 20.1482, 19.4351)
contains.

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Color

**XYZ(13.7585, 20.2270,
19.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	378A73
RGB	55, 138, 115
RGB Percent	22%, 54%, 45%
CMY	0.7843, 0.4588, 0.5490
CMYK	0.60, 0.00, 0.17, 0.46
HSL	163°, 43%, 38%
HSV	163°, 60%, 54%
XYZ	13.7585, 20.2270, 19.3987
YIQ	110.5610, -42.0850, -24.7490

Conversions

Conversions Part 2

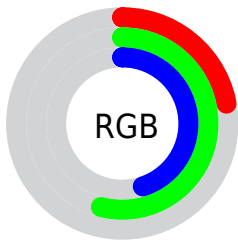
Format	Color
RYB	55, 103, 138
Decimal	3639923
CIELab	52.09, -30.97, 4.86
CIElCh	52, 31.352, 171.077
Yxy	20.2270, 0.2577, 0.3789
Android (android.graphics.Color)	4281830003 (0xFF378A73)
YUV	110.5610, 2.1884, -48.7270
Hunter-Lab	44.9744, -24.0989, 5.9087

Details

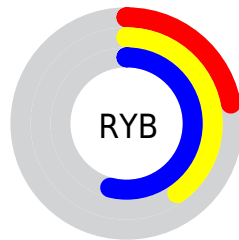
The XYZ color **13.7585, 20.2270, 19.3987** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2232, 8.6861, 8.1880**, and the grayscale version is **14.9854, 15.7658, 17.1690**.

A 20% lighter version of the original color is **32.2551, 43.8043, 43.3143**, and **4.4213, 7.2216, 6.4711** is the 20% darker color. If you saturate the color by 10%, you get **12.8903, 19.8049, 18.2333**, and if you desaturate by 10%, it is **14.8484, 20.7634, 20.6230**.

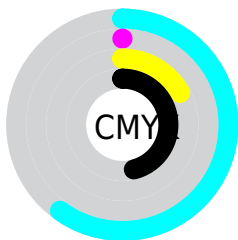
Distribution



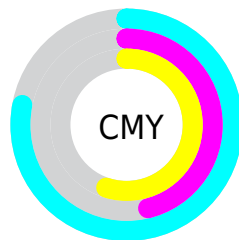
- Red (22%)
- Green (54%)
- Blue (45%)



- Red (22%)
- Yellow (40%)
- Blue (54%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (46%)



- Cyan (78%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7585, 20.2270, 19.3987 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 13.7585, 20.2270, 19.3987 by changing the saturation by 10% instead.

■ 13.7585, 20.2270,
19.3987

■ 13.7585, 20.2270,
19.3987

209.2641,
253.1414, 261.1367

■ 8.0335, 12.5602,
11.7790

■ 32.2498, 43.7974,
43.2524

■ 4.1684, 7.1264,
6.4727

■ 45.7467, 60.4698,
60.3234

■ 1.7978, 3.5413,
3.0612

■ 62.5650, 80.9129,
81.3820

■ 0.5164, 1.4204,
1.1260

■ 83.0700, 105.5109,
106.8466

■ 0.0000, 0.2317,
0.0000

■ 107.6270,
134.6484, 137.1359

■ 0.0000, 0.0000,
0.0000

■ 136.6015,

168.7097, 172.6683

170.3587,
208.0792, 213.8624

■ 13.7585, 20.2270,
19.3987

■ 13.7585, 20.2270,
19.3987

■ 12.8903, 19.8049,
18.2333

■ 14.8484, 20.7634,
20.6230

■ 12.2239, 19.4852,
17.1241

■ 16.1744, 21.4200,
21.9062

■ 11.7386, 19.2578,
16.0698

■ 17.7518, 22.2050,
23.2499

■ 11.3774, 19.0931,
15.0812

■ 19.5938, 23.1254,
24.6553

■ 21.7131, 24.1877,
26.1235

■ 24.1212, 25.3977,
27.6557

■ 26.8290, 26.7610,
29.2528

■ 29.8469, 28.2832,
30.9158

■ 33.1849, 29.9691,
32.6457

Harmonies

Analogous

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



14.8193, 20.2270, 12.6941



13.7585, 20.2270, 19.3987



14.0304, 20.2270, 28.9979

Triad

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



13.7585, 20.2270, 19.3987



21.5269, 20.2270, 42.9311



23.3615, 20.2270, 10.9511

Complementary

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



13.7585, 20.2270, 19.3987



13.2232, 8.6861, 8.1880

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.



25.5659, 20.2270, 16.2684



13.7585, 20.2270, 19.3987



24.4276, 20.2270, 35.0734

Square

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



13.7585, 20.2270, 19.3987



18.2853, 20.2270, 44.4576



25.9764, 20.2270, 24.8756



20.1967, 20.2270, 8.7871

Rectangle

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



13.7585, 20.2270, 19.3987



14.9448, 20.2270, 35.7706



25.9764, 20.2270, 24.8756



24.2535, 20.2270, 12.3455

Sweetspot

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



13.7591, 20.2278, 19.3992



35.1575, 41.0721, 43.9049



12.9630, 20.0952, 6.8102



7.6841, 9.1114, 9.7019



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.



13.7591, 20.2278, 19.3992



22.2836, 34.6974, 31.4634



12.8820, 16.0848, 26.4715



5.1147, 5.6654, 6.1250



10.4374, 17.5076, 13.8602



0.0756, 0.1188, 0.1248

Inverse Universe

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



13.2232, 8.6861, 8.1880



21.2783, 12.4691, 10.0043



13.5529, 10.4425, 4.9159



5.0861, 5.0699, 5.5421



9.9398, 5.0860, 2.1873



0.0716, 0.0360, 0.0438

Previews

White Background



This preview shows how the XYZ color 13.7585, 20.2270, 19.3987 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 13.7585, 20.2270, 19.3987 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 13.7585, 20.2270, 19.3987

Background



This preview shows how black text looks on a background with the XYZ color 13.7585, 20.2270, 19.3987.



This preview shows how white text looks on a background with the XYZ color 13.7585, 20.2270,

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

13.7585, 20.2270, 19.3987

Protanopia

18.7901, 19.8946, 16.7596

Deuteranopia

20.2431, 19.8439, 20.2161



Tritanopia

15.8827, 20.2528, 29.8601

Trichromacy



Original Color

13.7585, 20.2270, 19.3987

Protanomaly

16.0131, 19.3889, 17.6503

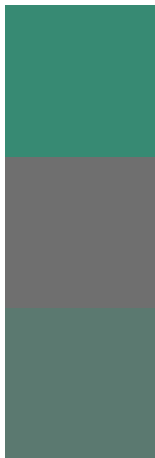
Deuteranomaly

16.7943, 19.3555, 19.9904

Tritanomaly

14.9537, 20.0733, 25.6407

Monochromacy



Original Color

13.7585, 20.2270, 19.3987

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.0764, 17.0687, 17.8819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7585, 20.2270, 19.3987 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, 138, 115)` looks like.

```
.text, #text, p{  
    color:rgb(55, 138, 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(55, 138, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 138, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.7585, 20.2270, 19.3987 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, 138, 115) }
```


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

```
.border{ border-color:rgb(55, 138, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 138, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 138, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 138, 115);  
box-shadow:4px 4px 4px 4px rgb(55, 138,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7585, 20.2270, 19.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 138, 115) }
```

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

```
.background{ background-color: rgb(55, 138,  
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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