

Converting Colors

XYZ(13.3583, 22.0373, 18.8788)

Have a look what the booklet for
XYZ(13.3583, 22.0373, 18.8788)
contains.

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Color

**XYZ(13.3583, 22.0373,
18.8788)**

Conversions

Conversions Part 1

Format	Color
Hex	009370
RGB	0, 147, 112
RGB Percent	0%, 58%, 44%
CMY	1.0000, 0.4235, 0.5608
CMYK	1.00, 0.00, 0.24, 0.42
HSL	166°, 100%, 29%
HSV	166°, 100%, 58%
XYZ	13.3583, 22.0373, 18.8788
YIQ	99.0570, -76.3770, -42.0490

Conversions

Conversions Part 2

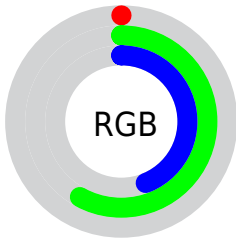
Format	Color
RYB	0, 83, 147
Decimal	37744
CIELab	54.07, -42.05, 9.28
CIELCh	54, 43.062, 167.554
Yxy	22.0373, 0.2461, 0.4060
Android (android.graphics.Color)	4278227824 (0xFF009370)
YUV	99.0570, 6.3809, -86.8730
Hunter-Lab	46.9439, -31.3581, 9.0169

Details

The XYZ color **13.3583, 22.0373, 18.8788** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.3366, 6.3248, 2.1613**, and the grayscale version is **11.8731, 12.4914, 13.6031**.

A 20% lighter version of the original color is **31.5677, 46.8527, 42.5016**, and **5.0176, 8.5546, 6.2372** is the 20% darker color. If you saturate the color by 10%, you get **13.3587, 22.0381, 18.8789**, and if you desaturate by 10%, it is **13.7498, 22.2167, 19.9350**.

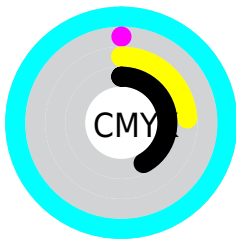
Distribution



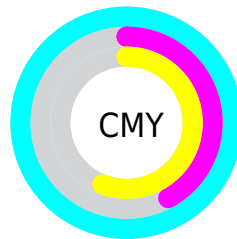
- Red (0%)
- Green (58%)
- Blue (44%)



- Red (0%)
- Yellow (33%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3583, 22.0373, 18.8788 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 13.3583, 22.0373, 18.8788 by changing the saturation by 10% instead.

■ 13.3583, 22.0373,
18.8788

■ 13.3583, 22.0373,
18.8788

206.7929,
262.7410, 258.1792

■ 7.7544, 13.8843,
11.4068

■ 31.5419, 46.8076,
42.3632

■ 3.9887, 8.0402,
6.2236

■ 44.8523, 64.1938,
59.2126

■ 1.6957, 4.1207,
2.9105

■ 61.4622, 85.4264,
80.0250

■ 0.4536, 1.7413,
1.0491

■ 81.7371, 110.8900,
105.2188

■ 0.0000, 0.4502,
0.0000

■ 106.0423,
140.9688, 135.2126

■ 0.0000, 0.0000,
0.0000

■ 134.7430,

176.0473, 170.4249

168.2048,
216.5099, 211.2743

■ 13.3583, 22.0373,
18.8788

■ 13.3583, 22.0373,
18.8788

■ 13.3587, 22.0381,
18.8789

■ 13.7498, 22.2167,
19.9350

■ 14.2823, 22.4674,
21.0372

■ 15.0215, 22.8237,
22.1896

■ 15.9924, 23.2986,
23.3937

■ 17.2164, 23.9030,
24.6509

■ 18.7122, 24.6467,
25.9624

■ 20.4969, 25.5383,
27.3296

■ 22.5862, 26.5860,
28.7535

■ 24.9944, 27.7972,
30.2352

Harmonies

Analogous

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



15.0055, 22.0373, 10.5094



13.3583, 22.0373, 18.8788



13.5120, 22.0373, 32.5961

Triad

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



13.3583, 22.0373, 18.8788



23.7660, 22.0373, 57.7164



27.5931, 22.0373, 9.6039

Complementary

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



13.3583, 22.0373, 18.8788



12.3366, 6.3248, 2.1613

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.



30.7022, 22.0373, 17.0578



13.3583, 22.0373, 18.8788



28.2773, 22.0373, 45.8127

Square

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



13.3583, 22.0373, 18.8788



19.0736, 22.0373, 58.7857



30.9697, 22.0373, 29.9606



22.9367, 22.0373, 6.6480

Rectangle

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



13.3583, 22.0373, 18.8788



14.6154, 22.0373, 43.2791



30.9697, 22.0373, 29.9606



28.8820, 22.0373, 11.5068

Sweetspot

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



13.3589, 22.0382, 18.8793



36.4916, 45.6267, 48.7867



11.1884, 21.2571, 3.5135



8.0392, 10.2700, 10.9206



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.



13.3589, 22.0382, 18.8793



23.8512, 39.4371, 33.4316



10.8701, 13.3134, 29.6016



5.9057, 6.5389, 7.1142



11.5908, 19.1091, 16.4185



0.1533, 0.2385, 0.2611

Inverse Universe

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



12.3366, 6.3248, 2.1613



22.0329, 11.3024, 3.5577



12.6871, 7.5113, 0.7813



5.8540, 5.8367, 6.3376



10.7032, 5.4863, 1.9182



0.1410, 0.0711, 0.0760

Previews

White Background



This preview shows how the XYZ color 13.3583, 22.0373, 18.8788 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 13.3583, 22.0373, 18.8788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

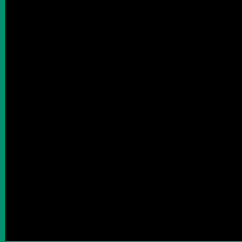
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3583, 22.0373, 18.8788

Background



This preview shows how black text looks on a background with the XYZ color 13.3583, 22.0373, 18.8788.



This preview shows how white text looks on a background with the XYZ color 13.3583, 22.0373,

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

13.3583, 22.0373, 18.8788

Protanopia

20.4839, 21.7360, 15.9478

Deuteranopia

22.0956, 21.7194, 19.8573



Tritanopia

16.5495, 22.2268, 33.5549

Trichromacy



Original Color

13.3583, 22.0373, 18.8788

Protanomaly

15.1960, 20.3948, 16.7713

Deuteranomaly

15.7594, 20.0156, 19.2525

Tritanomaly

15.0674, 22.0427, 27.5053

Monochromacy



Original Color

13.3583, 22.0373, 18.8788

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.7940, 14.5470, 15.3357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3583, 22.0373, 18.8788 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.3583, 22.0373, 18.8788 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, 112) }
```


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

```
.border{ border-color:rgb(0, 147, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3583, 22.0373, 18.8788 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, 112) }
```

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

```
.background{ background-color: rgb(0, 147,  
112) }
```

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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