

Converting Colors

XYZ(22.4127, 33.1744, 30.8240)

Have a look what the booklet for
XYZ(22.4127, 33.1744, 30.8240)
contains.

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Color

**XYZ(22.4246, 33.1797,
30.8136)**

Conversions

Conversions Part 1

Format	Color
Hex	47AD8E
RGB	71, 173, 142
RGB Percent	28%, 68%, 56%
CMY	0.7216, 0.3216, 0.4431
CMYK	0.59, 0.00, 0.18, 0.32
HSL	162°, 42%, 48%
HSV	162°, 59%, 68%
XYZ	22.4246, 33.1797, 30.8136
YIQ	138.9680, -50.8410, -31.2650

Conversions

Conversions Part 2

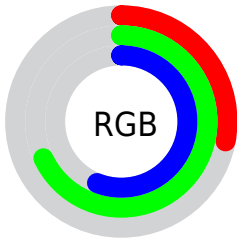
Format	Color
RYB	71, 131, 173
Decimal	4697486
CIELab	64.31, -37.19, 7.15
CIElCh	64, 37.871, 169.116
Yxy	33.1797, 0.2595, 0.3839
Android (android.graphics.Color)	4282887566 (0xFF47AD8E)
YUV	138.9680, 1.4948, -59.6079
Hunter-Lab	57.6018, -31.3125, 8.6046

Details

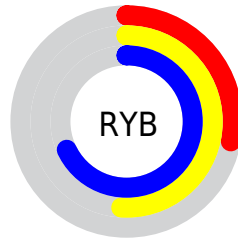
The XYZ color **22.4246, 33.1797, 30.8136** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.8862, 14.3509, 14.1882**, and the grayscale version is **24.5376, 25.8154, 28.1130**.

A 20% lighter version of the original color is **46.8852, 64.6133, 62.2251**, and **8.6482, 14.2056, 12.4114** is the 20% darker color. If you saturate the color by 10%, you get **20.9465, 32.4631, 28.7325**, and if you desaturate by 10%, it is **24.2843, 34.0926, 33.0113**.

Distribution



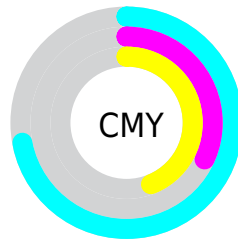
- Red (28%)
- Green (68%)
- Blue (56%)



- Red (28%)
- Yellow (51%)
- Blue (68%)



- Cyan (59%)
- Magenta (0%)
- Yellow (18%)
- Black (32%)





- Cyan (72%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4246, 33.1797, 30.8136 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 22.4246, 33.1797, 30.8136 by changing the saturation by 10% instead.


 22.4246, 33.1797,
30.8136


 22.4246, 33.1797,
30.8136


257.3466,
316.4587, 320.0032


 14.2876, 22.2641,
20.1997

 46.9204, 64.6560,
62.0226


 8.4040, 14.0511,
12.3548

 64.0099, 85.9855,
83.4548

 4.4085, 8.1562,
6.8603


 84.8143, 111.5551,
109.3301

 1.9357, 4.1951,
3.2978

 109.6989,
141.7493, 140.0672

 0.5975, 1.7833,
1.2486

 139.0290,
176.9523, 176.0845

 0.0000, 0.4767,
0.0191

173.1701,

 0.0000, 0.0000,

217.5486, 217.8005

0.0000

212.4875,
263.9226, 265.6339

■ 22.4246, 33.1797,
30.8136

■ 22.4246, 33.1797,
30.8136

■ 20.9465, 32.4631,
28.7325

■ 24.2843, 34.0926,
33.0113

■ 19.8155, 31.9225,
26.7627

■ 26.5511, 35.2122,
35.3259

■ 18.9952, 31.5399,
24.9021

■ 29.2511, 36.5531,
37.7605

■ 18.4159, 31.2796,
23.1460

■ 32.4078, 38.1271,
40.3176

■ 18.3599, 31.2545,
22.9685

■ 36.0427, 39.9453,
42.9994

■ 40.1759, 42.0182,
45.8080

■ 44.8265, 44.3555,
48.7454

■ 50.0124, 46.9664,
51.8138

■ 55.7508, 49.8597,
55.0150

Harmonies

Analogous

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



24.3401, 33.1797, 19.9903



22.4246, 33.1797, 30.8136



22.7324, 33.1797, 46.7304

Triad

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



22.4246, 33.1797, 30.8136



35.0489, 33.1797, 71.9989



38.8080, 33.1797, 18.0302

Complementary

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



22.4246, 33.1797, 30.8136



21.8862, 14.3509, 14.1882

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.



42.3623, 33.1797, 27.2628



22.4246, 33.1797, 30.8136



40.0271, 33.1797, 59.2111

Square

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



22.4246, 33.1797, 30.8136



29.6219, 33.1797, 73.7571



42.8322, 33.1797, 42.0187



33.5315, 33.1797, 14.1352

Rectangle

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



22.4246, 33.1797, 30.8136



24.1678, 33.1797, 58.2421



42.8322, 33.1797, 42.0187



40.2683, 33.1797, 20.4665

Sweetspot

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



22.4255, 33.1810, 30.8144



58.4316, 68.4776, 72.5068



21.7100, 33.2448, 11.2345



12.3294, 14.6974, 15.4703



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.4255, 33.1810, 30.8144



36.7823, 57.7866, 50.2768



21.7476, 27.5683, 43.7116



8.1311, 9.0300, 9.7152



13.5139, 22.9708, 17.0115



0.3987, 0.6481, 0.5933

Inverse Universe

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



21.8862, 14.3509, 14.1882



35.7682, 20.9042, 17.9207



22.0029, 16.6020, 8.0067



8.1017, 8.0539, 8.8465



13.1484, 6.7219, 3.1612



0.3904, 0.1969, 0.2177

Previews

White Background



This preview shows how the XYZ color 22.4246, 33.1797, 30.8136 looks on a white background.

Color Contrast Check

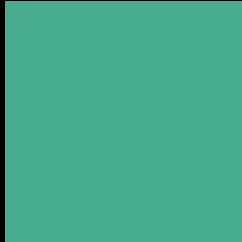
Large Text (above 18pt) WCAG AA × Fail

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 22.4246, 33.1797, 30.8136 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 ✓ Pass

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

XYZ 22.4246, 33.1797, 30.8136

Background



This preview shows how black text looks on a background with the XYZ color 22.4246, 33.1797, 30.8136.

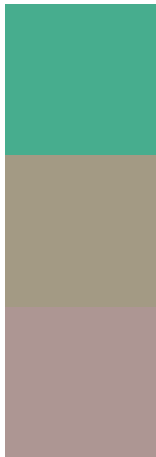


This preview shows how white text looks on a background with the XYZ color 22.4246, 33.1797,

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

22.4246, 33.1797, 30.8136

Protanopia

30.8247, 32.5637, 26.4906

Deuteranopia

33.4064, 32.8035, 32.1748



Tritanopia

26.0894, 33.2728, 48.7633

Trichromacy



Original Color

22.4246, 33.1797, 30.8136



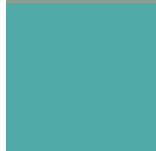
Protanomaly

26.3947, 32.0131, 28.0806



Deuteranomaly

27.4910, 31.7323, 31.4641



Tritanomaly

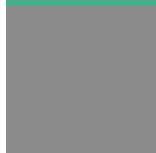
24.6580, 33.2449, 41.6765

Monochromacy



Original Color

22.4246, 33.1797, 30.8136



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.7397, 27.6041, 28.9406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4246, 33.1797, 30.8136 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(71, 173, 142)` looks like.

```
.text, #text, p{  
    color:rgb(71, 173, 142)  
}
```

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(71, 173, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 173, 142) }
```

Border

The CSS property to change the border of an element to XYZ 22.4246, 33.1797, 30.8136 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(71, 173, 142) }
```


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

```
.border{ border-color:rgb(71, 173, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 173, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 173, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 173, 142);  
box-shadow:4px 4px 4px 4px rgb(71, 173,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4246, 33.1797, 30.8136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 173, 142) }
```

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

```
.background{ background-color: rgb(71, 173,  
142) }
```

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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