

Converting Colors

XYZ(22.2332, 30.1892, 33.8026)

Have a look what the booklet for
XYZ(22.2332, 30.1892, 33.8026)
contains.

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Color

**XYZ(22.3393, 30.3136,
33.9519)**

Conversions

Conversions Part 1

Format	Color
Hex	54A397
RGB	84, 163, 151
RGB Percent	33%, 64%, 59%
CMY	0.6706, 0.3608, 0.4078
CMYK	0.48, 0.00, 0.07, 0.36
HSL	171°, 32%, 48%
HSV	171°, 48%, 64%
XYZ	22.3393, 30.3136, 33.9519
YIQ	138.0110, -43.2320, -20.4800

Conversions

Conversions Part 2

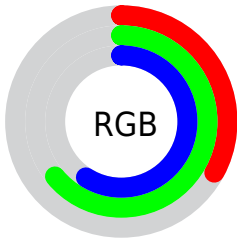
Format	Color
RYB	84, 127, 163
Decimal	5546903
CIELab	61.92, -27.31, -1.27
CIElCh	62, 27.343, 182.664
Yxy	30.3136, 0.2579, 0.3500
Android (android.graphics.Color)	4283736983 (0xFF54A397)
YUV	138.0110, 6.4036, -47.3676
Hunter-Lab	55.0578, -23.9260, 1.9787

Details

The XYZ color **22.3393, 30.3136, 33.9519** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.3870, 14.9726, 12.8830**, and the grayscale version is **24.1506, 25.4083, 27.6697**.

A 20% lighter version of the original color is **46.7383, 60.0396, 66.8830**, and **8.3614, 12.4832, 14.0254** is the 20% darker color. If you saturate the color by 10%, you get **20.8479, 29.5685, 32.8438**, and if you desaturate by 10%, it is **24.1762, 31.2378, 35.0995**.

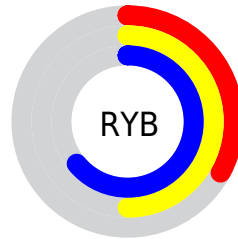
Distribution



Red (33%)

Green (64%)

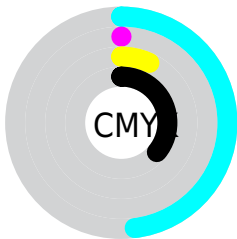
Blue (59%)



Red (33%)

Yellow (50%)

Blue (64%)

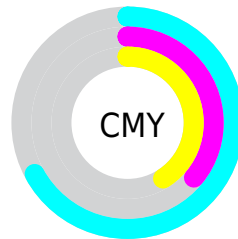


Cyan (48%)

Magenta (0%)

Yellow (7%)

Black (36%)



Cyan (67%)

Magenta (36%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3393, 30.3136, 33.9519 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 22.3393, 30.3136, 33.9519 by changing the saturation by 10% instead.

■ 22.3393, 30.3136,
33.9519

■ 22.3393, 30.3136,
33.9519

256.9123,
303.3635, 334.6801

■ 14.2244, 20.0767,
22.5796

■ 46.7808, 60.1578,
66.9919

■ 8.3597, 12.4508,
14.0810

■ 63.8382, 80.5339,
89.4967

■ 4.3797, 7.0515,
8.0376

■ 84.6071, 105.0585,
116.5493

■ 1.9191, 3.4943,
4.0309

■ 109.4529,
134.1161, 148.5685

■ 0.5879, 1.3949,
1.6423

138.7410,
168.0909, 185.9726

■ 0.0000, 0.2130,
0.3208

172.8367,

■ 0.0000, 0.0000,

207.3675, 229.1802

0.0000

212.1053,
252.3303, 278.6098

■ 22.3393, 30.3136,
33.9519

■ 22.3393, 30.3136,
33.9519

■ 20.8479, 29.5685,
32.8438

■ 24.1762, 31.2378,
35.0995

■ 19.6754, 28.9866,
31.7719

■ 26.3776, 32.3487,
36.2857

■ 18.7957, 28.5551,
30.7355

■ 28.9641, 33.6576,
37.5123

■ 18.1773, 28.2578,
29.7330

■ 31.9542, 35.1741,
38.7802

■ 17.7615, 28.0645,
28.7615

■ 35.3652, 36.9071,
40.0903

■ 17.7025, 28.0373,
28.6145

■ 39.2131, 38.8648,
41.4437

■ 43.5134, 41.0552,
42.8410

■ 48.2805, 43.4858,
44.2831

■ 53.5286, 46.1637,
45.7708

Harmonies

Analogous

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



23.0025, 30.3136, 24.5902



22.3393, 30.3136, 33.9519



23.2851, 30.3136, 45.1212

Triad

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



22.3393, 30.3136, 33.9519



32.7792, 30.3136, 53.0442



32.1657, 30.3136, 18.1460

Complementary

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



22.3393, 30.3136, 33.9519



20.3870, 14.9726, 12.8830

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.



35.1511, 30.3136, 23.2809



22.3393, 30.3136, 33.9519



35.5259, 30.3136, 43.1522

Square

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



22.3393, 30.3136, 33.9519



29.1405, 30.3136, 57.5066



36.4282, 30.3136, 32.0785



28.4864, 30.3136, 16.6911

Rectangle

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



22.3393, 30.3136, 33.9519



24.7518, 30.3136, 51.7618



36.4282, 30.3136, 32.0785



33.2939, 30.3136, 19.4364

Sweetspot

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



22.3402, 30.3148, 33.9526



53.4971, 61.1003, 67.8945



19.6459, 29.3863, 13.0248



11.7832, 13.6052, 15.1474



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.3402, 30.3148, 33.9526



37.1914, 52.8810, 58.6994



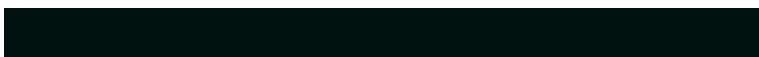
19.1663, 22.3270, 37.9511



7.2297, 7.9927, 8.8211



13.7710, 21.7947, 22.3081



0.3011, 0.4627, 0.5306

Inverse Universe

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



20.3870, 14.9726, 12.8830



33.2965, 22.1450, 16.5794



22.3175, 19.6516, 11.0050



7.1156, 7.1027, 7.5952



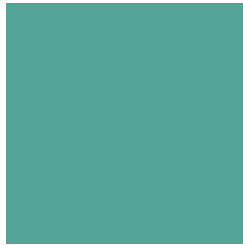
11.8844, 6.1098, 1.3161



0.2615, 0.1331, 0.0898

Previews

White Background



This preview shows how the XYZ color 22.3393, 30.3136, 33.9519 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 22.3393, 30.3136, 33.9519 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

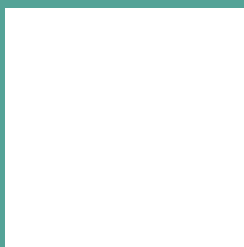
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3393, 30.3136, 33.9519

Background



This preview shows how black text looks on a background with the XYZ color 22.3393, 30.3136, 33.9519.

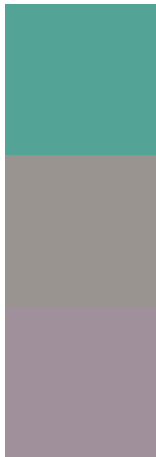


This preview shows how white text looks on a background with the XYZ color 22.3393, 30.3136,

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

22.3393, 30.3136, 33.9519

Protanopia

28.6847, 29.9353, 30.2528

Deuteranopia

30.3869, 29.7867, 35.1582



Tritanopia

24.4280, 30.3829, 44.1122

Trichromacy



Original Color

22.3393, 30.3136, 33.9519

Protanomaly

25.4816, 29.4470, 31.5349

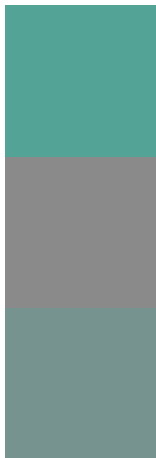
Deuteranomaly

26.4151, 29.3718, 34.8490

Tritanomaly

23.5609, 30.2811, 40.2003

Monochromacy



Original Color

22.3393, 30.3136, 33.9519

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.8629, 26.7022, 29.9356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3393, 30.3136, 33.9519 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(84, 163, 151)` looks like.

```
.text, #text, p{  
    color:rgb(84, 163, 151)  
}
```

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(84, 163, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 163, 151) }
```

Border

The CSS property to change the border of an element to XYZ 22.3393, 30.3136, 33.9519 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(84, 163, 151) }
```


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

```
.border{ border-color:rgb(84, 163, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 163, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 163, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 163, 151);  
box-shadow:4px 4px 4px 4px rgb(84, 163,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3393, 30.3136, 33.9519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 163, 151) }
```

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

```
.background{ background-color: rgb(84, 163,  
151) }
```

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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