

Converting Colors

XYZ(22.1186, 34.8353, 29.4369)

Have a look what the booklet for
XYZ(22.1186, 34.8353, 29.4369)
contains.

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Color

**XYZ(22.1237, 34.8052,
29.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	34B38A
RGB	52, 179, 138
RGB Percent	20%, 70%, 54%
CMY	0.7961, 0.2980, 0.4588
CMYK	0.71, 0.00, 0.23, 0.30
HSL	161°, 55%, 45%
HSV	161°, 71%, 70%
XYZ	22.1237, 34.8052, 29.5968
YIQ	136.3530, -62.5310, -39.6750

Conversions

Conversions Part 2

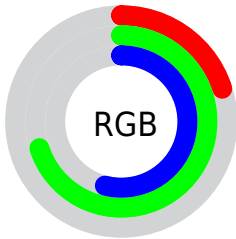
Format	Color
RYB	52, 128, 179
Decimal	3453834
CIELab	65.60, -44.14, 11.13
CIELCh	66, 45.522, 165.851
Yxy	34.8052, 0.2557, 0.4023
Android (android.graphics.Color)	4281643914 (0xFF34B38A)
YUV	136.3530, 0.8120, -73.9776
Hunter-Lab	58.9959, -36.3047, 11.5528

Details

The XYZ color **22.1237, 34.8052, 29.5968** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.7953, 12.8309, 11.6851**, and the grayscale version is **23.5489, 24.7753, 26.9803**.

A 20% lighter version of the original color is **46.4697, 67.3973, 59.8500**, and **9.0951, 15.3718, 11.7202** is the 20% darker color. If you saturate the color by 10%, you get **20.9639, 34.2553, 27.4167**, and if you desaturate by 10%, it is **23.6569, 35.5468, 31.9121**.

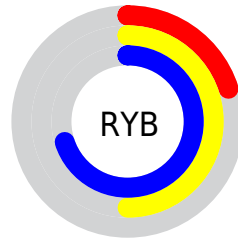
Distribution



Red (20%)

Green (70%)

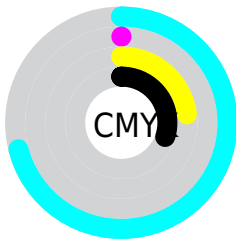
Blue (54%)



Red (20%)

Yellow (50%)

Blue (70%)

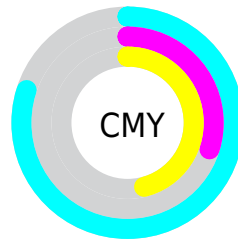


Cyan (71%)

Magenta (0%)

Yellow (23%)

Black (30%)



Cyan (80%)

Magenta (30%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1237, 34.8052, 29.5968 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 22.1237, 34.8052, 29.5968 by changing the saturation by 10% instead.

■ 22.1237, 34.8052,
29.5968

■ 22.1237, 34.8052,
29.5968

255.8118,
323.7077, 314.1691

■ 14.0649, 23.5129,
19.2833

■ 46.4277, 67.1839,
60.0774

■ 8.2478, 14.9727,
11.6963

■ 63.4036, 89.0390,
81.0816

■ 4.3071, 8.8002,
6.4172

■ 84.0827, 115.1839,
106.4864

■ 1.8773, 4.6111,
3.0275

■ 108.8302,
146.0028, 136.7104

■ 0.5636, 2.0209,
1.1087

■ 138.0115,
181.8803, 172.1722

■ 0.0000, 0.6196,
0.0000

171.9919,

■ 0.0000, 0.0000,

223.2006, 213.2902

0.0000

211.1369,
270.3483, 260.4830

■ 22.1237, 34.8052,
29.5968

■ 22.1237, 34.8052,
29.5968

■ 20.9639, 34.2553,
27.4167

■ 23.6569, 35.5468,
31.9121

■ 20.1324, 33.8712,
25.3657

■ 25.5964, 36.4944,
34.3637

■ 19.5849, 33.6270,
23.6158

■ 27.9745, 37.6655,
36.9555

■ 30.8194, 39.0745,
39.6906

■ 34.1570, 40.7348,
42.5717

■ 38.0110, 42.6585,
45.6016

■ 42.4037, 44.8572,
48.7829

■ 47.3562, 47.3416,
52.1182

■ 52.8881, 50.1218,
55.6099

Harmonies

Analogous

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



24.6941, 34.8052, 17.6146



22.1237, 34.8052, 29.5968



22.1993, 34.8052, 48.8589

Triad

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



22.1237, 34.8052, 29.5968



36.7152, 34.8052, 85.4439



42.8591, 34.8052, 17.1552

Complementary

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



22.1237, 34.8052, 29.5968



21.7953, 12.8309, 11.6851

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.



47.0403, 34.8052, 28.7110



22.1237, 34.8052, 29.5968



43.1804, 34.8052, 69.7294

Square

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



22.1237, 34.8052, 29.5968



30.0396, 34.8052, 85.9309



47.1653, 34.8052, 47.6197



36.3217, 34.8052, 12.2472

Rectangle

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



22.1237, 34.8052, 29.5968



23.7238, 34.8052, 63.7833



47.1653, 34.8052, 47.6197



44.6233, 34.8052, 20.1767

Sweetspot

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



22.1246, 34.8066, 29.5976



60.9110, 72.8222, 76.0268



21.3914, 34.8869, 8.8557



13.1163, 15.9452, 16.5271



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.1246, 34.8066, 29.5976



36.6598, 60.9363, 47.0567



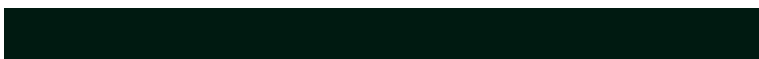
21.7524, 28.3830, 46.9814



8.6236, 9.5839, 10.2775



13.8699, 23.7739, 16.8493



0.4617, 0.7581, 0.6633

Inverse Universe

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



21.7953, 12.8309, 11.6851



36.1180, 19.2460, 13.4874



21.6048, 14.6196, 4.9325



8.6057, 8.5490, 9.4220



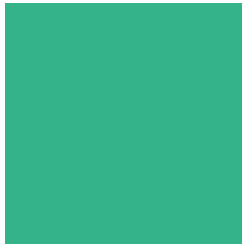
13.6996, 6.9974, 3.5783



0.4584, 0.2311, 0.2569

Previews

White Background



This preview shows how the XYZ color 22.1237, 34.8052, 29.5968 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 22.1237, 34.8052, 29.5968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

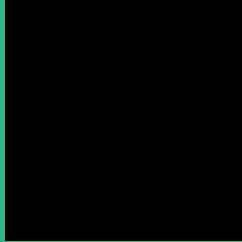
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.1237, 34.8052, 29.5968

Background



This preview shows how black text looks on a background with the XYZ color 22.1237, 34.8052, 29.5968.



This preview shows how white text looks on a background with the XYZ color 22.1237, 34.8052,

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

22.1237, 34.8052, 29.5968

Protanopia

32.2716, 34.3371, 25.3489

Deuteranopia

34.8527, 34.0538, 31.1217



Tritanopia

26.7373, 34.9308, 52.3468

Trichromacy



Original Color

22.1237, 34.8052, 29.5968



Protanomaly

26.4053, 33.3740, 26.8799



Deuteranomaly

27.4757, 32.7802, 30.4703



Tritanomaly

24.7382, 34.6828, 42.9267

Monochromacy



Original Color

22.1237, 34.8052, 29.5968



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.5693, 27.2659, 27.7929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1237, 34.8052, 29.5968 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(52, 179, 138)` looks like.

```
.text, #text, p{  
    color:rgb(52, 179, 138)  
}
```

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(52, 179, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 179, 138) }
```

Border

The CSS property to change the border of an element to XYZ 22.1237, 34.8052, 29.5968 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(52, 179, 138) }
```


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

```
.border{ border-color:rgb(52, 179, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 179, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 179, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 179, 138);  
box-shadow:4px 4px 4px 4px rgb(52, 179,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1237, 34.8052, 29.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 179, 138) }
```

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

```
.background{ background-color: rgb(52, 179,  
138) }
```

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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