

Converting Colors

XYZ(33.3501, 35.5651, 43.1597)

Have a look what the booklet for
XYZ(33.3501, 35.5651, 43.1597)
contains.

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Color

**XYZ(33.3129, 35.5152,
43.1296)**

Conversions

Conversions Part 1

Format	Color
Hex	99A2AA
RGB	153, 162, 170
RGB Percent	60%, 64%, 67%
CMY	0.4000, 0.3647, 0.3333
CMYK	0.10, 0.05, 0.00, 0.33
HSL	208°, 9%, 63%
HSV	208°, 10%, 67%
XYZ	33.3129, 35.5152, 43.1296
YIQ	160.2210, -7.9320, 0.5800

Conversions

Conversions Part 2

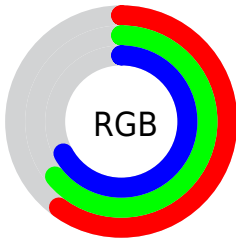
Format	Color
R _Y B	153, 159, 170
Decimal	10068650
CIE Lab	66.15, -1.56, -5.25
CIE LCh	66, 5.474, 253.479
Yxy	35.5152, 0.2975, 0.3172
Android (android.graphics.Color)	4288258730 (0xFF99A2AA)
YUV	160.2210, 4.8210, -6.3328
Hunter-Lab	59.5946, -4.5106, -1.1929

Details

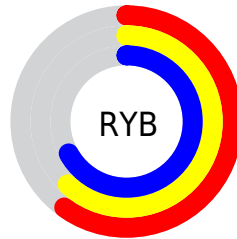
The XYZ color **33.3129, 35.5152, 43.1296** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0725, 36.3356, 35.3026**, and the grayscale version is **33.4974, 35.2419, 38.3784**.

A 20% lighter version of the original color is **64.1356, 68.3273, 81.0424**, and **14.3254, 15.2846, 19.3347** is the 20% darker color. If you saturate the color by 10%, you get **28.9659, 31.2498, 42.5360**, and if you desaturate by 10%, it is **38.2087, 40.1986, 43.7761**.

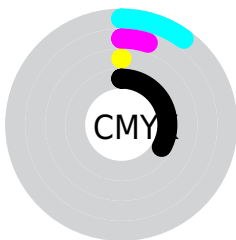
Distribution



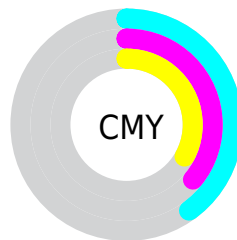
- Red (60%)
- Green (64%)
- Blue (67%)



- Red (60%)
- Yellow (62%)
- Blue (67%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3129, 35.5152, 43.1296 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 33.3129, 35.5152, 43.1296 by changing the saturation by 10% instead.

■ 33.3129, 35.5152,
43.1296

■ 33.3129, 35.5152,
43.1296

308.6974,
326.8366, 375.0813

■ 22.5266, 24.0600,
29.6547

■ 64.2151, 68.2831,
81.1948

■ 14.3631, 15.3781,
19.3268

■ 85.0618, 90.3647,
106.6222

■ 8.4571, 9.0852,
11.7274

109.9927,
116.7571, 136.8709

■ 4.4430, 4.7968,
6.4381

139.3732,
147.8448, 172.3593

■ 1.9557, 2.1285,
3.0402

173.5685,
184.0122, 213.5060

■ 0.6089, 0.6806,
1.1152

212.9441,

■ 0.0000, 0.0000,

225.6437, 260.7295

0.0000

257.8653,
273.1237, 314.4485

■ 33.3129, 35.5152,
43.1296

■ 33.3129, 35.5152,
43.1296

■ 28.9659, 31.2498,
42.5360

■ 38.2087, 40.1986,
43.7761

■ 25.1438, 27.3845,
41.9913

■ 43.6700, 45.3079,
44.4744

■ 21.8253, 23.9070,
41.4950

■ 49.7165, 50.8566,
45.2268

■ 18.9864, 20.8021,
41.0453

■ 56.3659, 56.8562,
46.0344

■ 16.6010, 18.0538,
40.6406

■ 63.6353, 63.3176,
46.8984

■ 14.6402, 15.6444,
40.2789

■ 71.5402, 70.2510,
47.8200

■ 13.0714, 13.5542,
39.9581

■ 73.5643, 74.2994,
48.4948

■ 11.8566, 11.7607,
39.6759

■ 75.6886, 78.5478,
49.2028

■ 10.9139, 10.2184,
39.4279

■ 77.9143, 82.9992,
49.9447

Harmonies

Analogous

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



32.6329, 35.5152, 41.8378



33.3129, 35.5152, 43.1296



34.1223, 35.5152, 43.1959

Triad

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



33.3129, 35.5152, 43.1296



35.3015, 35.5152, 37.6344



32.6904, 35.5152, 35.5071

Complementary

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



33.3129, 35.5152, 43.1296



35.0725, 36.3356, 35.3026

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.



33.3926, 35.5152, 34.4718



33.3129, 35.5152, 43.1296



34.9049, 35.5152, 35.6663

Square

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



33.3129, 35.5152, 43.1296



35.2793, 35.5152, 39.9591



34.2033, 35.5152, 34.5290



32.2774, 35.5152, 37.4090

Rectangle

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



33.3129, 35.5152, 43.1296



34.6271, 35.5152, 42.5315



34.2033, 35.5152, 34.5290



32.8999, 35.5152, 35.0496

Sweetspot

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



33.3139, 35.5167, 43.1304



66.5044, 70.2589, 79.0580



33.9394, 38.0933, 39.2520



14.6706, 15.5154, 17.6092



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.



33.3139, 35.5167, 43.1304



58.6097, 62.6591, 78.0072



31.8774, 32.6437, 42.6516



7.4483, 7.9335, 9.5571



8.0845, 7.6291, 29.0220



0.2473, 0.2868, 0.7230

Inverse Universe

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



34.4912, 33.9379, 38.9169



61.1935, 59.2580, 68.7457



36.5967, 39.3840, 35.8107



7.6909, 7.6062, 8.6893



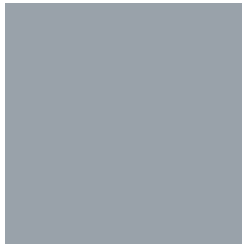
13.5813, 6.8412, 7.8725



0.3560, 0.1767, 0.3260

Previews

White Background



This preview shows how the XYZ color 33.3129, 35.5152, 43.1296 looks on a white background.

Color Contrast Check

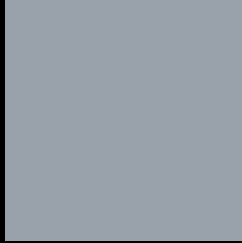
Large Text (above 18pt) WCAG AA × Fail

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 33.3129, 35.5152, 43.1296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

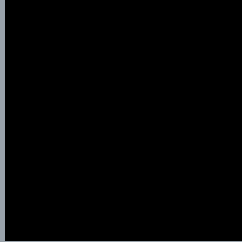
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

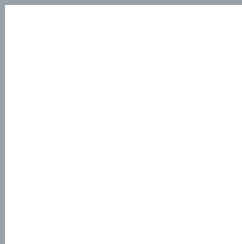
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3129, 35.5152, 43.1296

Background



This preview shows how black text looks on a background with the XYZ color 33.3129, 35.5152, 43.1296.



This preview shows how white text looks on a background with the XYZ color 33.3129, 35.5152,

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

33.3129, 35.5152, 43.1296

Protanopia

34.4302, 35.5833, 42.5897

Deuteranopia

36.0337, 35.3751, 43.4570



Tritanopia

33.7113, 35.4158, 45.1035

Trichromacy



Original Color

33.3129, 35.5152, 43.1296

Protanomaly

34.0069, 35.6234, 42.6198

Deuteranomaly

34.8874, 35.2865, 43.5003

Tritanomaly

33.6141, 35.3769, 44.5919

Monochromacy



Original Color

33.3129, 35.5152, 43.1296

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3503, 35.3382, 40.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3129, 35.5152, 43.1296 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(153, 162, 170)` looks like.

```
.text, #text, p{  
    color:rgb(153, 162, 170)  
}
```

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(153, 162, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 162, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.3129, 35.5152, 43.1296 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(153, 162, 170) }
```


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

```
.border{ border-color:rgb(153, 162, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 162, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 162, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 162, 170);  
box-shadow:4px 4px 4px 4px rgb(153, 162,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3129, 35.5152, 43.1296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 162, 170) }
```

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

```
.background{ background-color: rgb(153,  
162, 170) }
```

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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