

Converting Colors

XYZ(33.2322, 35.3127, 35.7587)

Have a look what the booklet for
XYZ(33.2322, 35.3127, 35.7587)
contains.

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Color

**XYZ(33.2755, 35.3999,
35.6509)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A19A
RGB	161, 161, 154
RGB Percent	63%, 63%, 60%
CMY	0.3686, 0.3686, 0.3961
CMYK	0.00, 0.00, 0.04, 0.37
HSL	60°, 4%, 62%
HSV	60°, 4%, 63%
XYZ	33.2755, 35.3999, 35.6509
YIQ	160.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

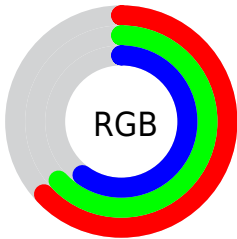
Format	Color
RYB	154, 161, 154
Decimal	10592666
CIELab	66.06, -1.30, 3.63
CIElCh	66, 3.860, 109.759
Yxy	35.3999, 0.3190, 0.3393
Android (android.graphics.Color)	4288782746 (0xFFA1A19A)
YUV	160.2020, -3.0576, 0.6998
Hunter-Lab	59.4978, -4.2910, 6.1221

Details

The XYZ color **33.2755, 35.3999, 35.6509** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3165, 32.5554, 38.3534**, and the grayscale version is **33.5205, 35.2662, 38.4049**.

A 20% lighter version of the original color is **64.2599, 68.2647, 69.4641**, and **14.4545, 15.4461, 15.0515** is the 20% darker color. If you saturate the color by 10%, you get **32.0223, 34.8996, 29.0556**, and if you desaturate by 10%, it is **34.7106, 35.9753, 43.1951**.

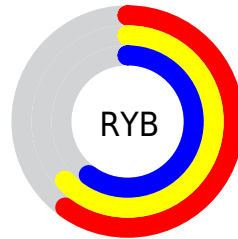
Distribution



Red (63%)

Green (63%)

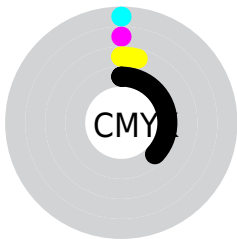
Blue (60%)



Red (60%)

Yellow (63%)

Blue (60%)

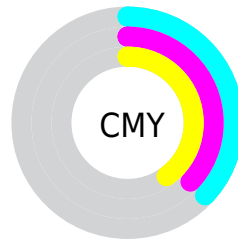


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2755, 35.3999, 35.6509 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 33.2755, 35.3999, 35.6509 by changing the saturation by 10% instead.

■ 33.2755, 35.3999,
35.6509

■ 33.2755, 35.3999,
35.6509

308.5324,
326.3300, 342.4233

■ 22.4978, 23.9711,
23.8771

■ 64.1572, 68.1048,
69.6559

■ 14.3418, 15.3122,
15.0312

■ 84.9920, 90.1497,
92.7242

■ 8.4421, 9.0388,
8.6944

109.9098,
116.5021, 120.3944

■ 4.4333, 4.7665,
4.4483

139.2760,
147.5463, 153.0851

■ 1.9500, 2.1109,
1.8744

173.4561,
183.6668, 191.2147

■ 0.6057, 0.6708,
0.4763

212.8152,

■ 0.0000, 0.0000,

225.2480, 235.2020

0.0000

257.7189,
272.6743, 285.4653

■ 33.2755, 35.3999,
35.6509

■ 33.2755, 35.3999,
35.6509

■ 32.0223, 34.8996,
29.0556

■ 34.7106, 35.9753,
43.1951

■ 30.9409, 34.4668,
23.3696

■ 36.3313, 36.6237,
51.7213

■ 30.0248, 34.1002,
18.5535

■ 38.1450, 37.3494,
61.2637

■ 29.2657, 33.7964,
14.5646

■ 40.1578, 38.1547,
71.8544

■ 28.6548, 33.5519,
11.3563

■ 42.3754, 39.0419,
83.5239

■ 28.1825, 33.3627,
8.8775

■ 44.8034, 40.0133,
96.3015

■ 27.8379, 33.2247,
7.0710

■ 45.5049, 40.2941,
99.9869

■ 27.6084, 33.1327,
5.8711

■ 45.5065, 40.2949,
99.9870

■ 27.4791, 33.0808,
5.1982

■ 45.5081, 40.2957,
99.9871

Harmonies

Analogous

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



33.8428, 35.3999, 35.5224



33.2755, 35.3999, 35.6509



32.8126, 35.3999, 36.5421

Triad

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



33.2755, 35.3999, 35.6509



32.9399, 35.3999, 41.0032



34.7423, 35.3999, 39.1081

Complementary

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



33.2755, 35.3999, 35.6509



31.3165, 32.5554, 38.3534

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.



34.4945, 35.3999, 40.6187



33.2755, 35.3999, 35.6509



33.4511, 35.3999, 41.7332

Square

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



33.2755, 35.3999, 35.6509



32.6204, 35.3999, 39.6209



34.0203, 35.3999, 41.5905



34.6940, 35.3999, 37.4877

Rectangle

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



33.2755, 35.3999, 35.6509



32.6235, 35.3999, 37.4632



34.0203, 35.3999, 41.5905



34.6907, 35.3999, 39.6463

Sweetspot

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



33.2765, 35.4014, 35.6517



60.4111, 63.7252, 68.1534



32.0874, 33.0222, 35.2551



13.2524, 13.9772, 14.9645



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



33.2765, 35.4014, 35.6517



59.4140, 63.3262, 62.9087



32.5813, 35.0431, 35.6191



7.7611, 8.2819, 8.1560



21.9051, 26.4030, 3.9418



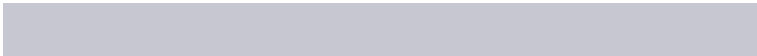
0.4604, 0.5548, 0.0828

Inverse Universe

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



31.3165, 32.5554, 38.3534



55.3233, 57.3864, 68.5474



31.9921, 32.9037, 38.3850



7.1780, 7.4351, 8.9599



5.1388, 2.0556, 27.0557



0.1081, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 33.2755, 35.3999, 35.6509 looks on a white background.

Color Contrast Check

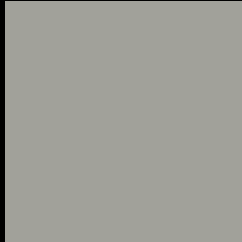
Large Text (above 18pt) WCAG AA × Fail

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 33.2755, 35.3999, 35.6509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

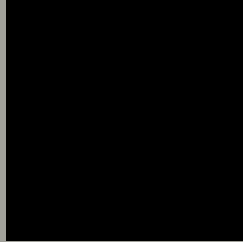
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2755, 35.3999, 35.6509

Background



This preview shows how black text looks on a background with the XYZ color 33.2755, 35.3999, 35.6509.



This preview shows how white text looks on a background with the XYZ color 33.2755, 35.3999,

35.6509.

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

33.2755, 35.3999, 35.6509

Protanopia

33.8376, 35.4409, 35.1943

Deuteranopia

35.9978, 35.2742, 35.9217



Tritanopia

34.8874, 35.2865, 43.5003

Trichromacy



Original Color

33.2755, 35.3999, 35.6509

Protanomaly

33.6304, 35.3340, 35.1846

Deuteranomaly

34.9866, 35.2512, 35.9705

Tritanomaly

34.2939, 35.2994, 40.6033

Monochromacy



Original Color

33.2755, 35.3999, 35.6509

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2396, 35.0838, 37.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2755, 35.3999, 35.6509 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(161, 161, 154)` looks like.

```
.text, #text, p{  
    color:rgb(161, 161, 154)  
}
```

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(161, 161, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 161, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.2755, 35.3999, 35.6509 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(161, 161, 154) }
```


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

```
.border{ border-color:rgb(161, 161, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 161, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 161, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 161, 154);  
box-shadow:4px 4px 4px 4px rgb(161, 161,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2755, 35.3999, 35.6509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 161, 154) }
```

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

```
.background{ background-color: rgb(161,  
161, 154) }
```

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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