

Converting Colors

XYZ(33.3761, 35.2477, 36.7676)

Have a look what the booklet for
XYZ(33.3761, 35.2477, 36.7676)
contains.

XYZ(33.3546, 35.1530, 36.9255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3546, 35.1530,
36.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A09D
RGB	161, 160, 157
RGB Percent	63%, 63%, 62%
CMY	0.3686, 0.3725, 0.3843
CMYK	0.00, 0.01, 0.02, 0.37
HSL	45°, 2%, 62%
HSV	45°, 2%, 63%
XYZ	33.3546, 35.1530, 36.9255
YIQ	159.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

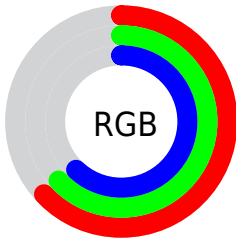
Format	Color
RYB	158, 161, 157
Decimal	10592413
CIELab	65.87, -0.20, 1.68
CIELCh	66, 1.692, 96.849
Yxy	35.1530, 0.3164, 0.3334
Android (android.graphics.Color)	4288782493 (0xFFA1A09D)
YUV	159.9570, -1.4578, 0.9147
Hunter-Lab	59.2900, -3.3392, 4.5775

Details

The XYZ color **33.3546, 35.1530, 36.9255** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.5646, 34.1947, 38.6027**, and the grayscale version is **33.4006, 35.1401, 38.2675**.

A 20% lighter version of the original color is **64.5030, 67.9533, 72.0040**, and **14.5006, 15.2929, 15.8232** is the 20% darker color. If you saturate the color by 10%, you get **31.3852, 33.2707, 29.9284**, and if you desaturate by 10%, it is **35.5296, 37.1558, 44.8857**.

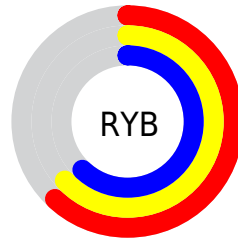
Distribution



Red (63%)

Green (63%)

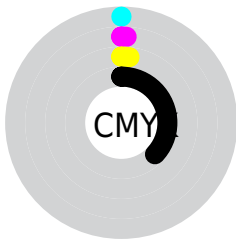
Blue (62%)



Red (62%)

Yellow (63%)

Blue (62%)

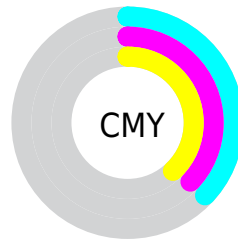


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3546, 35.1530, 36.9255 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 33.3546, 35.1530, 36.9255 by changing the saturation by 10% instead.

■ 33.3546, 35.1530,
36.9255

■ 33.3546, 35.1530,
36.9255

308.8814,
325.2431, 348.1468

■ 22.5588, 23.7808,
24.8545

■ 64.2797, 67.7227,
71.6432

■ 14.3869, 15.1711,
15.7506

■ 85.1397, 89.6890,
95.1270

■ 8.4738, 8.9395,
9.1954

110.0852,
115.9554, 123.2522

■ 4.4539, 4.7018,
4.7703

139.4814,
146.9063, 156.4372

■ 1.9620, 2.0734,
2.0568

173.6938,
182.9262, 195.1006

■ 0.6125, 0.6496,
0.5899

213.0877,

■ 0.0000, 0.0000,

224.3993, 239.6610

0.0000

258.0284,
271.7102, 290.5369

■ 33.3546, 35.1530,
36.9255

■ 33.3546, 35.1530,
36.9255

■ 31.3852, 33.2707,
29.9284

■ 35.5296, 37.1558,
44.8857

■ 29.6113, 31.5010,
23.8550

■ 37.9142, 39.2776,
53.8419

■ 28.0261, 29.8421,
18.6666

■ 40.5157, 41.5228,
63.8279

■ 26.6213, 28.2904,
14.3209

■ 43.3405, 43.8943,
74.8757

■ 25.3881, 26.8419,
10.7720

■ 46.3946, 46.3947,
87.0155

■ 24.3168, 25.4923,
7.9695

■ 49.6835, 49.0266,
100.2765

■ 23.3964, 24.2371,
5.8577

■ 50.7542, 50.8092,
101.7399

■ 22.6146, 23.0708,
4.3724

■ 51.6245, 52.5497,
102.0299

■ 21.9568, 21.9872,
3.4377

■ 52.5188, 54.3384,
102.3281

Harmonies

Analogous

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



33.6011, 35.1530, 37.0242



33.3546, 35.1530, 36.9255



33.1245, 35.1530, 37.1849

Triad

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



33.3546, 35.1530, 36.9255



33.0288, 35.1530, 39.1069



33.8556, 35.1530, 38.8192

Complementary

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



33.3546, 35.1530, 36.9255



32.5646, 34.1947, 38.6027

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.



33.7009, 35.1530, 39.3875



33.3546, 35.1530, 36.9255



33.2233, 35.1530, 39.5550

Square

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



33.3546, 35.1530, 36.9255



32.9371, 35.1530, 38.4400



33.4692, 35.1530, 39.6583



33.8912, 35.1530, 38.1118

Rectangle

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



33.3546, 35.1530, 36.9255



33.0112, 35.1530, 37.5280



33.4692, 35.1530, 39.6583



33.8158, 35.1530, 39.0331

Sweetspot

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



33.3556, 35.1545, 36.9263



60.2836, 63.4697, 68.1109



32.9270, 34.1602, 37.2064



13.2261, 13.9245, 14.9557



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.



33.3556, 35.1545, 36.9263



59.5245, 62.7592, 65.3683



33.3285, 35.3983, 36.9747



7.7588, 8.1840, 8.4418



17.2188, 17.0115, 2.3760



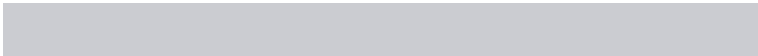
0.3957, 0.4253, 0.0612

Inverse Universe

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



32.5646, 34.1947, 38.6027



57.7885, 60.6526, 69.0479



32.5911, 33.9568, 38.5554



7.4841, 7.8507, 9.0239



5.7762, 3.3317, 27.2684



0.1563, 0.1398, 0.5846

Previews

White Background



This preview shows how the XYZ color 33.3546, 35.1530, 36.9255 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 33.3546, 35.1530, 36.9255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

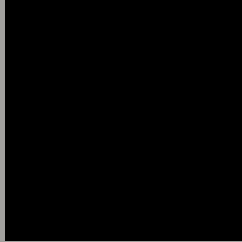
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3546, 35.1530, 36.9255

Background



This preview shows how black text looks on a background with the XYZ color 33.3546, 35.1530, 36.9255.



This preview shows how white text looks on a background with the XYZ color 33.3546, 35.1530,

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

33.3546, 35.1530, 36.9255

Protanopia

33.7938, 35.1231, 36.8966

Deuteranopia

35.7974, 35.1414, 37.2440



Tritanopia

34.5868, 35.1425, 42.9905

Trichromacy



Original Color

33.3546, 35.1530, 36.9255

Protanomaly

33.5882, 35.0171, 36.8870

Deuteranomaly

35.0231, 35.2405, 37.3039

Tritanomaly

34.0900, 35.1943, 40.5937

Monochromacy



Original Color

33.3546, 35.1530, 36.9255

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3260, 35.1184, 37.8229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3546, 35.1530, 36.9255 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, 160, 157)` looks like.

```
.text, #text, p{  
    color:rgb(161, 160, 157)  
}
```

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, 160, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 160, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.3546, 35.1530, 36.9255 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, 160, 157) }
```


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

```
.border{ border-color:rgb(161, 160, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 160, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 160, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 160, 157);  
box-shadow:4px 4px 4px 4px rgb(161, 160,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3546, 35.1530, 36.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 160, 157) }
```

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

```
.background{ background-color: rgb(161,  
160, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor