

Converting Colors

XYZ(33.0836, 35.1925, 36.4264)

Have a look what the booklet for
XYZ(33.0836, 35.1925, 36.4264)
contains.

XYZ(33.2428, 35.3636, 36.5263)	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(33.2428, 35.3636,
36.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A19C
RGB	160, 161, 156
RGB Percent	63%, 63%, 61%
CMY	0.3725, 0.3686, 0.3882
CMYK	0.01, 0.00, 0.03, 0.37
HSL	72°, 3%, 62%
HSV	72°, 3%, 63%
XYZ	33.2428, 35.3636, 36.5263
YIQ	160.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

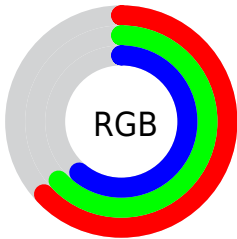
Format	Color
RYB	156, 161, 157
Decimal	10527132
CIELab	66.03, -1.30, 2.47
CIELCh	66, 2.787, 117.795
Yxy	35.3636, 0.3162, 0.3364
Android (android.graphics.Color)	4288717212 (0xFFA0A19C)
YUV	160.1310, -2.0366, -0.1149
Hunter-Lab	59.4673, -4.2845, 5.2097

Details

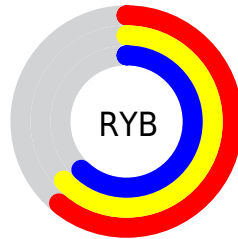
The XYZ color **33.2428, 35.3636, 36.5263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2275, 33.5192, 38.4913**, and the grayscale version is **33.4836, 35.2273, 38.3626**.

A 20% lighter version of the original color is **64.2131, 68.2119, 70.7546**, and **14.4324, 15.4230, 15.5809** is the 20% darker color. If you saturate the color by 10%, you get **31.3322, 34.5269, 29.7856**, and if you desaturate by 10%, it is **35.3529, 36.2843, 44.2212**.

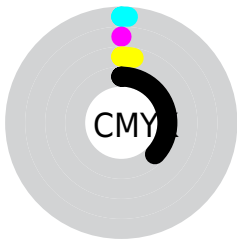
Distribution



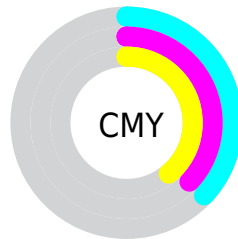
- Red (63%)
- Green (63%)
- Blue (61%)



- Red (61%)
- Yellow (63%)
- Blue (62%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (37%)



- Cyan (37%)
- Magenta (37%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2428, 35.3636, 36.5263 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 33.2428, 35.3636, 36.5263 by changing the saturation by 10% instead.

■ 33.2428, 35.3636,
36.5263

■ 33.2428, 35.3636,
36.5263

308.3881,
326.1703, 346.3618

■ 22.4726, 23.9431,
24.5480

■ 64.1066, 68.0487,
71.0218

■ 14.3231, 15.2914,
15.5247

■ 84.9309, 90.0820,
94.3761

■ 8.4290, 9.0242,
9.0378

109.8373,
116.4218, 122.3595

■ 4.4247, 4.7569,
4.6687

139.1911,
147.4523, 155.3905

■ 1.9451, 2.1054,
1.9989

173.3578,
183.5580, 193.8877

■ 0.6029, 0.6676,
0.5546

212.7026,

■ 0.0000, 0.0000,

225.1234, 238.2697

0.0000

257.5909,
272.5327, 288.9548

■ 33.2428, 35.3636,
36.5263

■ 33.2428, 35.3636,
36.5263

■ 31.3322, 34.5269,
29.7856

■ 35.3529, 36.2843,
44.2212

■ 29.6109, 33.7667,
23.9597

■ 37.6664, 37.2872,
52.9031

■ 28.0723, 33.0815,
19.0096

■ 40.1906, 38.3763,
62.6062

■ 26.7083, 32.4680,
14.8930

■ 42.9318, 39.5542,
73.3622

■ 25.5098, 31.9226,
11.5637

■ 45.8957, 40.8232,
85.2015

■ 24.4673, 31.4415,
8.9714

■ 49.0882, 42.1856,
98.1532

■ 23.5699, 31.0202,
7.0596

■ 50.2286, 42.7292,
100.2080

■ 22.8051, 30.6539,
5.7638

■ 51.0032, 43.1285,
100.2442

■ 22.1584, 30.3365,
5.0073

■ 51.7954, 43.5369,
100.2813

Harmonies

Analogous

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



33.6426, 35.3636, 36.2750



33.2428, 35.3636, 36.5263



32.9440, 35.3636, 37.3046

Triad

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



33.2428, 35.3636, 36.5263



33.1902, 35.3636, 40.4632



34.4125, 35.3636, 38.5926

Complementary

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



33.2428, 35.3636, 36.5263



32.2275, 33.5192, 38.4913

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.



34.2890, 35.3636, 39.7308



33.2428, 35.3636, 36.5263



33.5815, 35.3636, 40.8245

Square

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



33.2428, 35.3636, 36.5263



32.9139, 35.3636, 39.5761



33.9840, 35.3636, 40.5538



34.3200, 35.3636, 37.4533

Rectangle

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



33.2428, 35.3636, 36.5263



32.8412, 35.3636, 38.0257



33.9840, 35.3636, 40.5538



34.3948, 35.3636, 38.9882

Sweetspot

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



33.2438, 35.3651, 36.5271



60.2928, 63.6642, 68.1479



32.7569, 34.0924, 36.3071



13.2280, 13.9646, 14.9634



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.



33.2438, 35.3651, 36.5271



59.1871, 63.1811, 64.1713



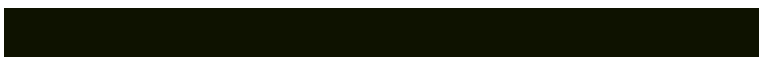
32.7492, 35.1102, 36.5039



7.7199, 8.2573, 8.3048



17.4089, 24.0851, 3.7313



0.3992, 0.5233, 0.0800

Inverse Universe

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



32.2275, 33.5192, 38.4913



56.8152, 58.8730, 68.7557



32.7201, 33.7732, 38.5144



7.3679, 7.6180, 8.9852



5.6486, 2.3185, 27.0796



0.1528, 0.0663, 0.5706

Previews

White Background



This preview shows how the XYZ color 33.2428, 35.3636, 36.5263 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 33.2428, 35.3636, 36.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

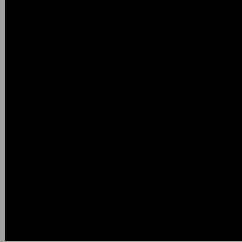
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2428, 35.3636, 36.5263

Background



This preview shows how black text looks on a background with the XYZ color 33.2428, 35.3636, 36.5263.



This preview shows how white text looks on a background with the XYZ color 33.2428, 35.3636,

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

33.2428, 35.3636, 36.5263

Protanopia

33.7970, 35.4007, 36.0621

Deuteranopia

35.9386, 35.2241, 36.8031



Tritanopia

34.6491, 35.4179, 43.5382

Trichromacy



Original Color

33.2428, 35.3636, 36.5263

Protanomaly

33.5915, 35.2947, 36.0524

Deuteranomaly

34.9374, 35.2062, 36.8524

Tritanomaly

34.1517, 35.4719, 41.1232

Monochromacy



Original Color

33.2428, 35.3636, 36.5263

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 33.2428, 35.3636, 36.5263 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(160, 161, 156)` looks like.

```
.text, #text, p{  
    color:rgb(160, 161, 156)  
}
```

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(160, 161, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 161, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.2428, 35.3636, 36.5263 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(160, 161, 156) }
```


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

```
.border{ border-color:rgb(160, 161, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 161, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 161, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 161, 156);  
box-shadow:4px 4px 4px 4px rgb(160, 161,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2428, 35.3636, 36.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 161, 156) }
```

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

```
.background{ background-color: rgb(160,  
161, 156) }
```

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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