

Converting Colors

XYZ(33.6071, 36.3109, 26.1158)

Have a look what the booklet for
XYZ(33.6071, 36.3109, 26.1158)
contains.

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Color

**XYZ(33.6372, 36.3254,
26.0075)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA381
RGB	170, 163, 129
RGB Percent	67%, 64%, 51%
CMY	0.3333, 0.3608, 0.4941
CMYK	0.00, 0.04, 0.24, 0.33
HSL	50°, 19%, 59%
HSV	50°, 24%, 67%
XYZ	33.6372, 36.3254, 26.0075
YIQ	161.2170, 15.0860, -9.0900

Conversions

Conversions Part 2

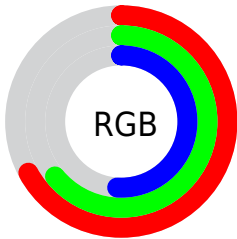
Format	Color
RYB	137, 170, 129
Decimal	11182977
CIELab	66.77, -3.09, 18.61
CIElCh	67, 18.866, 99.423
Yxy	36.3254, 0.3505, 0.3785
Android (android.graphics.Color)	4289373057 (0xFFAAA381)
YUV	161.2170, -15.8830, 7.7027
Hunter-Lab	60.2706, -5.8520, 16.6050

Details

The XYZ color **33.6372, 36.3254, 26.0075** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.1130, 25.1771, 41.5665**, and the grayscale version is **34.0446, 35.8176, 39.0054**.

A 20% lighter version of the original color is **64.8789, 69.6890, 54.2878**, and **14.4685, 15.7300, 9.8630** is the 20% darker color. If you saturate the color by 10%, you get **32.0911, 34.8935, 20.3734**, and if you desaturate by 10%, it is **35.3851, 37.8594, 32.6373**.

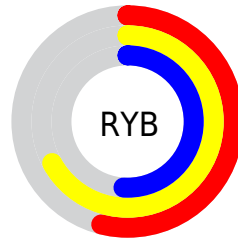
Distribution



Red (67%)

Green (64%)

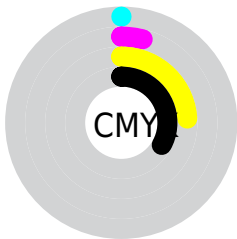
Blue (51%)



Red (54%)

Yellow (67%)

Blue (51%)

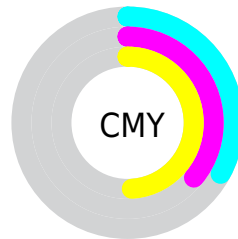


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6372, 36.3254, 26.0075 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 33.6372, 36.3254, 26.0075 by changing the saturation by 10% instead.

■ 33.6372, 36.3254,
26.0075

■ 33.6372, 36.3254,
26.0075

310.1258,
330.3806, 296.4255

■ 22.7766, 24.6856,
16.6034

■ 64.7171, 69.5340,
54.2713

■ 14.5484, 15.8430,
9.7932

■ 85.6672, 91.8716,
73.9681

■ 8.5873, 9.4131,
5.1583

■ 110.7111,
118.5440, 97.9329

■ 4.5279, 5.0116,
2.2801

140.2142,
149.9355, 126.5842

■ 2.0049, 2.2541,
0.7200

174.5418,
186.4305, 160.3406

■ 0.6367, 0.7492,
0.0000

214.0594,

■ 0.0000, 0.0000,

228.4134, 199.6206

0.0000

259.1323,
276.2686, 244.8427

■ 33.6372, 36.3254,
26.0075

■ 33.6372, 36.3254,
26.0075

■ 32.0911, 34.8935,
20.3734

■ 35.3851, 37.8594,
32.6373

■ 30.7345, 33.5549,
15.6836

■ 37.3405, 39.4943,
40.3061

■ 29.5583, 32.3071,
11.8860

■ 39.5128, 41.2351,
49.0574

■ 28.5512, 31.1455,
8.9219

■ 41.9096, 43.0849,
58.9316

■ 27.7008, 30.0650,
6.7261

■ 44.5383, 45.0468,
69.9669

■ 26.9927, 29.0596,
5.2234

■ 47.4057, 47.1238,
82.1998

■ 26.4097, 28.1224,
4.3234

■ 50.5188, 49.3187,
95.6651

■ 26.1013, 27.5934,
3.9504

■ 52.2311, 50.9730,
101.6936

■ 52.8494, 52.2096,
101.8997

Harmonies

Analogous

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



36.4874, 36.3254, 26.6088



33.6372, 36.3254, 26.0075



31.1634, 36.3254, 28.6298

Triad

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



33.6372, 36.3254, 26.0075



30.4655, 36.3254, 50.3737



39.9122, 36.3254, 45.3258

Complementary

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



33.6372, 36.3254, 26.0075



25.1130, 25.1771, 41.5665

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.



38.1227, 36.3254, 52.9497



33.6372, 36.3254, 26.0075



32.6366, 36.3254, 56.1309

Square

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



33.6372, 36.3254, 26.0075



29.3997, 36.3254, 42.1764



35.4307, 36.3254, 57.1334



40.2165, 36.3254, 37.0392

Rectangle

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



33.6372, 36.3254, 26.0075



30.0219, 36.3254, 32.0969



35.4307, 36.3254, 57.1334



39.4599, 36.3254, 48.0808

Sweetspot

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



33.6381, 36.3270, 26.0083



66.6416, 70.7452, 68.7397



28.9089, 26.0393, 26.9884



14.8153, 15.7383, 15.1479



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.



33.6381, 36.3270, 26.0083



59.4704, 64.4826, 41.4406



32.2453, 37.5044, 26.3089



8.0363, 8.5527, 8.0166



19.2358, 20.3689, 2.9178



0.4959, 0.5513, 0.0803

Inverse Universe

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



25.1130, 25.1771, 41.5665



41.2634, 40.6730, 74.6777



26.2588, 24.3526, 41.3469



7.2314, 7.4998, 9.4848



5.6901, 2.8404, 28.2238



0.1676, 0.1275, 0.6964

Previews

White Background



This preview shows how the XYZ color 33.6372, 36.3254, 26.0075 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 33.6372, 36.3254, 26.0075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

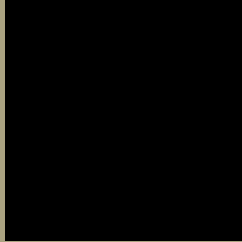
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6372, 36.3254, 26.0075

Background



This preview shows how black text looks on a background with the XYZ color 33.6372, 36.3254, 26.0075.



This preview shows how white text looks on a background with the XYZ color 33.6372, 36.3254,

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

33.6372, 36.3254, 26.0075

Protanopia

34.1164, 36.3099, 25.9793

Deuteranopia

36.9040, 36.2075, 26.1628



Tritanopia

36.9919, 36.1302, 43.0544

Trichromacy



Original Color

33.6372, 36.3254, 26.0075

Protanomaly

33.8960, 36.1963, 25.9689

Deuteranomaly

35.7188, 36.3531, 26.2534

Tritanomaly

35.5481, 36.0471, 36.0945

Monochromacy



Original Color

33.6372, 36.3254, 26.0075

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6550, 35.9031, 33.5900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6372, 36.3254, 26.0075 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(170, 163, 129)` looks like.

```
.text, #text, p{  
    color:rgb(170, 163, 129)  
}
```

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(170, 163, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 163, 129) }
```

Border

The CSS property to change the border of an element to XYZ 33.6372, 36.3254, 26.0075 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(170, 163, 129) }
```


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

```
.border{ border-color:rgb(170, 163, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 163, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 163, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 163, 129);  
box-shadow:4px 4px 4px 4px rgb(170, 163,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6372, 36.3254, 26.0075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 163, 129) }
```

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

```
.background{ background-color: rgb(170,  
163, 129) }
```

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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