

Converting Colors

XYZ(33.5326, 36.2065, 17.0256)

Have a look what the booklet for
XYZ(33.5326, 36.2065, 17.0256)
contains.

XYZ(33.5326, 36.2065, 17.0256)	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(33.5326, 36.2065,
17.0256)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A263
RGB	178, 162, 99
RGB Percent	70%, 64%, 39%
CMY	0.3020, 0.3647, 0.6118
CMYK	0.00, 0.09, 0.44, 0.30
HSL	48°, 34%, 54%
HSV	48°, 44%, 70%
XYZ	33.5326, 36.2065, 17.0256
YIQ	159.6020, 29.7590, -16.2010

Conversions

Conversions Part 2

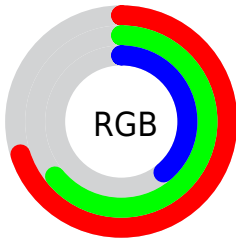
Format	Color
RYB	119, 178, 99
Decimal	11706979
CIELab	66.68, -3.07, 34.80
CIELCh	67, 34.934, 95.035
Yxy	36.2065, 0.3865, 0.4173
Android (android.graphics.Color)	4289897059 (0xFFB2A263)
YUV	159.6020, -29.8768, 16.1350
Hunter-Lab	60.1718, -5.8261, 25.3442

Details

The XYZ color **33.5326, 36.2065, 17.0256** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.3121, 18.1280, 44.6007**, and the grayscale version is **33.3547, 35.0917, 38.2149**.

A 20% lighter version of the original color is **64.6597, 69.5222, 39.2894**, and **14.5723, 15.8843, 5.3155** is the 20% darker color. If you saturate the color by 10%, you get **32.1482, 34.6527, 12.8186**, and if you desaturate by 10%, it is **35.1246, 37.8751, 22.2280**.

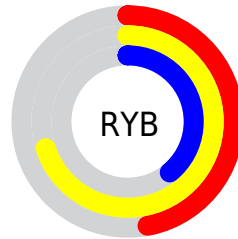
Distribution



Red (70%)

Green (64%)

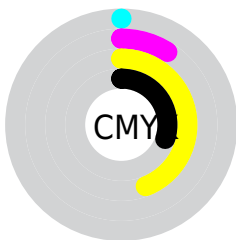
Blue (39%)



Red (47%)

Yellow (70%)

Blue (39%)

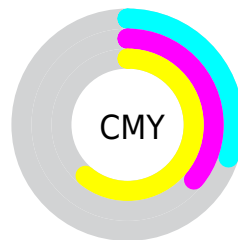


Cyan (0%)

Magenta (9%)

Yellow (44%)

Black (30%)



Cyan (30%)

Magenta (36%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5326, 36.2065, 17.0256 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 33.5326, 36.2065, 17.0256 by changing the saturation by 10% instead.

■ 33.5326, 36.2065,
17.0256

■ 33.5326, 36.2065,
17.0256

309.6656,
329.8622, 247.3688

■ 22.6959, 24.5937,
10.0906

■ 64.5553, 69.3507,
39.1610

■ 14.4886, 15.7746,
5.3527

■ 85.4720, 91.6509,
55.1986

■ 8.5452, 9.3648,
2.3933

■ 110.4795,
118.2823, 75.1073

■ 4.5005, 4.9799,
0.7828

■ 139.9431,
149.6294, 99.3059

■ 1.9890, 2.2355,
0.0000

174.2282,
186.0765, 128.2128

■ 0.6278, 0.7392,
0.0000

213.7000,

■ 0.0000, 0.0000,

228.0081, 162.2465

0.0000

258.7241,
275.8086, 201.8257

■ 33.5326, 36.2065,
17.0256

■ 33.5326, 36.2065,
17.0256

■ 32.1482, 34.6527,
12.8186

■ 35.1246, 37.8751,
22.2280

■ 30.9561, 33.2034,
9.5391

■ 36.9329, 39.6583,
28.4833

■ 29.9430, 31.8543,
7.1141


■ 38.9691, 41.5622,
35.8471


■ 29.0928, 30.5987,
5.4590


■ 41.2430, 43.5910,
44.3706


■ 28.3858, 29.4286,
4.4714


■ 43.7638, 45.7486,
54.1018

 28.0270, 28.7988,
4.0815

 46.5402, 48.0388,
65.0860

 49.5806, 50.4650,
77.3659

 52.8928, 53.0307,
90.9825

 55.8003, 55.4655,
102.3727

Harmonies

Analogous

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



38.8637, 36.2065, 18.5524



33.5326, 36.2065, 17.0256



28.9242, 36.2065, 20.1344

Triad

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



33.5326, 36.2065, 17.0256



26.7740, 36.2065, 58.5123



44.4274, 36.2065, 52.9646

Complementary

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



33.5326, 36.2065, 17.0256



19.3121, 18.1280, 44.6007

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.



40.5561, 36.2065, 68.2351



33.5326, 36.2065, 17.0256



30.3161, 36.2065, 71.9683

Square

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



33.5326, 36.2065, 17.0256



25.2844, 36.2065, 42.0216



35.3091, 36.2065, 75.9163



45.5109, 36.2065, 36.9333

Rectangle

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



33.5326, 36.2065, 17.0256



26.7680, 36.2065, 25.0364



35.3091, 36.2065, 75.9163



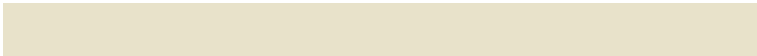
43.3909, 36.2065, 58.4744

Sweetspot

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



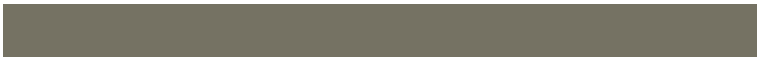
33.5335, 36.2082, 17.0263



71.1224, 75.7841, 66.6841



25.9814, 19.6527, 18.9831



15.5674, 16.6168, 14.0743



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.5335, 36.2082, 17.0263



58.4074, 62.9670, 23.5614



31.8090, 39.7715, 17.8050



9.0480, 9.6086, 9.0303



20.0990, 20.6965, 2.9355



0.6695, 0.7254, 0.1047

Inverse Universe

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



19.3121, 18.1280, 44.6007



29.4074, 26.1250, 79.8739



20.4371, 16.2312, 44.1753



8.1767, 8.4997, 10.7160



6.2392, 3.2788, 30.4410



0.2370, 0.1844, 0.9714

Previews

White Background



This preview shows how the XYZ color 33.5326, 36.2065, 17.0256 looks on a white background.

Color Contrast Check

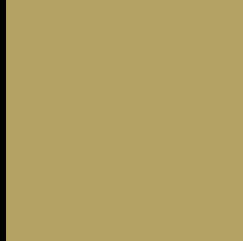
Large Text (above 18pt) WCAG AA × Fail

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 33.5326, 36.2065, 17.0256 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 33.5326, 36.2065, 17.0256

Background



This preview shows how black text looks on a background with the XYZ color 33.5326, 36.2065, 17.0256.



This preview shows how white text looks on a background with the XYZ color 33.5326, 36.2065,

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

33.5326, 36.2065, 17.0256

Protanopia

33.3039, 36.0886, 17.0149

Deuteranopia

36.8353, 36.1180, 17.3420



Tritanopia

38.4461, 36.1787, 41.0332

Trichromacy



Original Color

33.5326, 36.2065, 17.0256

Protanomaly

33.3039, 36.0886, 17.0149

Deuteranomaly

35.5134, 36.1926, 17.1707

Tritanomaly

36.2309, 36.0120, 30.6326

Monochromacy



Original Color

33.5326, 36.2065, 17.0256

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2687, 35.5402, 29.1513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5326, 36.2065, 17.0256 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(178, 162, 99)` looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 99)  
}
```

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(178, 162, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 99) }
```

Border

The CSS property to change the border of an element to XYZ 33.5326, 36.2065, 17.0256 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(178, 162, 99) }
```


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

```
.border{ border-color:rgb(178, 162, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 99);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5326, 36.2065, 17.0256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 99) }
```

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

```
.background{ background-color: rgb(178,  
162, 99) }
```

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