

Converting Colors

XYZ(33.2216, 36.1842, 22.6861)

Have a look what the booklet for
XYZ(33.2216, 36.1842, 22.6861)
contains.

XYZ(33.2216, 36.1842, 22.6861)	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(33.2216, 36.1842,
22.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA377
RGB	171, 163, 119
RGB Percent	67%, 64%, 47%
CMY	0.3294, 0.3608, 0.5333
CMYK	0.00, 0.05, 0.30, 0.33
HSL	51°, 24%, 57%
HSV	51°, 30%, 67%
XYZ	33.2216, 36.1842, 22.6861
YIQ	160.3760, 18.8920, -11.9880

Conversions

Conversions Part 2

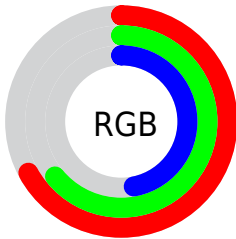
Format	Color
RYB	128, 171, 119
Decimal	11248503
CIELab	66.66, -4.09, 23.95
CIElCh	67, 24.298, 99.687
Yxy	36.1842, 0.3607, 0.3929
Android (android.graphics.Color)	4289438583 (0xFFABA377)
YUV	160.3760, -20.3984, 9.3172
Hunter-Lab	60.1533, -6.6859, 19.7468

Details

The XYZ color **33.2216, 36.1842, 22.6861** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.5478, 22.0406, 41.5942**, and the grayscale version is **33.6731, 35.4268, 38.5797**.

A 20% lighter version of the original color is **64.1964, 69.4523, 49.0518**, and **14.2611, 15.6626, 8.0659** is the 20% darker color. If you saturate the color by 10%, you get **31.8240, 34.8871, 17.6014**, and if you desaturate by 10%, it is **34.8156, 37.5780, 28.7488**.

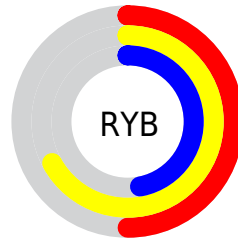
Distribution



Red (67%)

Green (64%)

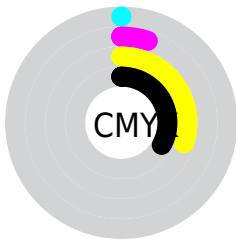
Blue (47%)



Red (50%)

Yellow (67%)

Blue (47%)

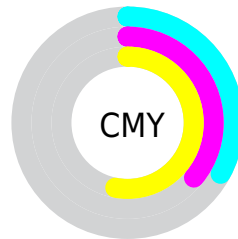


Cyan (0%)

Magenta (5%)

Yellow (30%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2216, 36.1842, 22.6861 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 33.2216, 36.1842, 22.6861 by changing the saturation by 10% instead.

■ 33.2216, 36.1842,
22.6861

■ 33.2216, 36.1842,
22.6861

308.2945,
329.7649, 279.1781

■ 22.4563, 24.5765,
14.1588

■ 64.0737, 69.3163,
48.7940

■ 14.3110, 15.7618,
8.0912

■ 84.8912, 91.6094,
67.2117

■ 8.4205, 9.3558,
4.0647

■ 109.7902,
118.2332, 89.7633

■ 4.4192, 4.9740,
1.6609

139.1360,
149.5720, 116.8673

■ 1.9419, 2.2320,
0.3337

173.2940,
186.0101, 148.9422

■ 0.6010, 0.7374,
0.0000

212.6295,

■ 0.0000, 0.0000,

227.9321, 186.4066

0.0000

257.5078,
275.7222, 229.6791

■ 33.2216, 36.1842,
22.6861

■ 33.2216, 36.1842,
22.6861

■ 31.8240, 34.8871,
17.6014

■ 34.8156, 37.5780,
28.7488

■ 30.6099, 33.6776,
13.4402

■ 36.6125, 39.0672,
35.8355

■ 29.5696, 32.5529,
10.1461

■ 38.6217, 40.6571,
43.9921

■ 28.6908, 31.5080,
7.6556

■ 40.8514, 42.3511,
53.2611

■ 27.9597, 30.5375,
5.8966

■ 43.3093, 44.1521,
63.6825

■ 27.3603, 29.6346,
4.7841

■ 46.0026, 46.0634,
75.2944

■ 26.8750, 28.8186,
4.1461

■ 48.9383, 48.0877,
88.1333

■ 51.9937, 50.1760,
101.5523

■ 52.5452, 51.2790,
101.7362

Harmonies

Analogous

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



36.8929, 36.1842, 23.3612



33.2216, 36.1842, 22.6861



30.0916, 36.1842, 25.8370

Triad

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



33.2216, 36.1842, 22.6861



29.2566, 36.1842, 53.7185



41.4215, 36.1842, 46.8160

Complementary

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



33.2216, 36.1842, 22.6861



22.5478, 22.0406, 41.5942

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.



39.0837, 36.1842, 57.0289



33.2216, 36.1842, 22.6861



32.0068, 36.1842, 61.4786

Square

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



33.2216, 36.1842, 22.6861



27.9120, 36.1842, 42.8873



35.5896, 36.1842, 62.7872



41.8045, 36.1842, 36.1041

Rectangle

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



33.2216, 36.1842, 22.6861



28.6684, 36.1842, 30.0779



35.5896, 36.1842, 62.7872



40.8307, 36.1842, 50.4693

Sweetspot

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



33.2225, 36.1858, 22.6869



65.9992, 70.3128, 65.8980



27.2662, 23.4018, 23.3877



14.6095, 15.5924, 14.2602



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.



33.2225, 36.1858, 22.6869



57.8998, 63.3388, 34.7589



31.1561, 37.2954, 23.0099



8.5562, 9.1172, 8.5222



20.2907, 21.7869, 3.1359



0.5923, 0.6617, 0.0965

Inverse Universe

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



22.5478, 22.0406, 41.5942



35.9168, 34.2142, 73.7129



24.1555, 21.3967, 41.3852



7.6747, 7.9487, 10.0825



5.8504, 2.8347, 29.2833



0.1925, 0.1383, 0.8245

Previews

White Background



This preview shows how the XYZ color 33.2216, 36.1842, 22.6861 looks on a white background.

Color Contrast Check

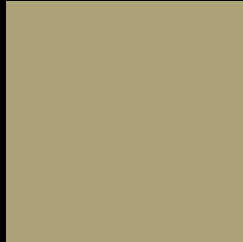
Large Text (above 18pt) WCAG AA × Fail

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 33.2216, 36.1842, 22.6861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

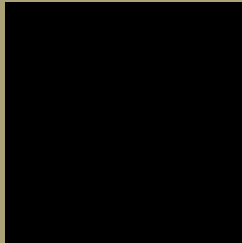
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2216, 36.1842, 22.6861

Background



This preview shows how black text looks on a background with the XYZ color 33.2216, 36.1842, 22.6861.



This preview shows how white text looks on a background with the XYZ color 33.2216, 36.1842,

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

33.2216, 36.1842, 22.6861

Protanopia

33.7057, 36.1712, 22.6580

Deuteranopia

36.6584, 35.8995, 23.0864



Tritanopia

37.1814, 35.9886, 42.5229

Trichromacy



Original Color

33.2216, 36.1842, 22.6861

Protanomaly

33.4837, 36.0568, 22.6476

Deuteranomaly

35.3842, 36.0001, 22.8531

Tritanomaly

35.6632, 36.1446, 34.3751

Monochromacy



Original Color

33.2216, 36.1842, 22.6861

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1655, 35.4266, 31.8781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2216, 36.1842, 22.6861 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(171, 163, 119)` looks like.

```
.text, #text, p{  
    color:rgb(171, 163, 119)  
}
```

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(171, 163, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 119) }
```

Border

The CSS property to change the border of an element to XYZ 33.2216, 36.1842, 22.6861 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(171, 163, 119) }
```


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

```
.border{ border-color:rgb(171, 163, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 163, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 119);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2216, 36.1842, 22.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 119) }
```

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

```
.background{ background-color: rgb(171,  
163, 119) }
```

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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