

Converting Colors

XYZ(33.3483, 36.0249, 24.0011)

Have a look what the booklet for
XYZ(33.3483, 36.0249, 24.0011)
contains.

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Color

**XYZ(33.2901, 35.9286,
23.9192)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA27B
RGB	171, 162, 123
RGB Percent	67%, 64%, 48%
CMY	0.3294, 0.3647, 0.5176
CMYK	0.00, 0.05, 0.28, 0.33
HSL	49°, 22%, 58%
HSV	49°, 28%, 67%
XYZ	33.2901, 35.9286, 23.9192
YIQ	160.2450, 17.8830, -10.2210

Conversions

Conversions Part 2

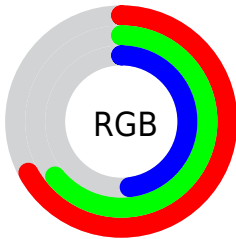
Format	Color
RYB	134, 171, 123
Decimal	11248251
CIELab	66.47, -3.01, 21.50
CIELCh	66, 21.713, 97.957
Yxy	35.9286, 0.3574, 0.3858
Android (android.graphics.Color)	4289438331 (0xFFABA27B)
YUV	160.2450, -18.3618, 9.4321
Hunter-Lab	59.9405, -5.7594, 18.2987

Details

The XYZ color **33.2901, 35.9286, 23.9192** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.7703, 23.6533, 41.8411**, and the grayscale version is **33.6037, 35.3537, 38.5002**.

A 20% lighter version of the original color is **64.3279, 69.0912, 51.0198**, and **14.3917, 15.7148, 8.7533** is the 20% darker color. If you saturate the color by 10%, you get **31.7547, 34.4238, 18.5796**, and if you desaturate by 10%, it is **35.0287, 37.5402, 30.2500**.

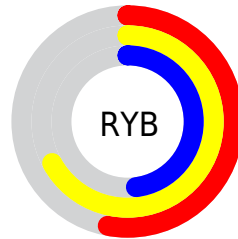
Distribution



Red (67%)

Green (64%)

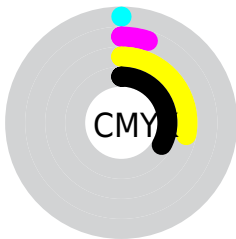
Blue (48%)



Red (53%)

Yellow (67%)

Blue (48%)

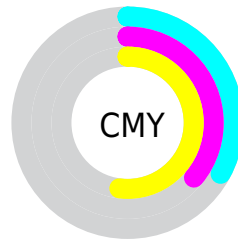


Cyan (0%)

Magenta (5%)

Yellow (28%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2901, 35.9286, 23.9192 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 33.2901, 35.9286, 23.9192 by changing the saturation by 10% instead.

■ 33.2901, 35.9286,
23.9192

■ 33.2901, 35.9286,
23.9192

308.5968,
328.6484, 285.6851

■ 22.5091, 24.3791,
15.0620

■ 64.1798, 68.9218,
50.8405

■ 14.3501, 15.6150,
8.7158

■ 85.0193, 91.1343,
69.7417

■ 8.4479, 9.2522,
4.4620

■ 109.9422,
117.6699, 92.8280

■ 4.4371, 4.9060,
1.8821

139.3140,
148.9130, 120.5180

■ 1.9522, 2.1922,
0.4813

173.5000,
185.2480, 153.2302

■ 0.6069, 0.7158,
0.0000

212.8655,

■ 0.0000, 0.0000,

227.0593, 191.3830

0.0000

257.7760,
274.7313, 235.3952

■ 33.2901, 35.9286,
23.9192

■ 33.2901, 35.9286,
23.9192

■ 31.7547, 34.4238,
18.5796

■ 35.0287, 37.5402,
30.2500

■ 30.4100, 33.0169,
14.1776

■ 36.9770, 39.2577,
37.6172

■ 29.2462, 31.7050,
10.6581

■ 39.1443, 41.0861,
46.0660

■ 28.2514, 30.4832,
7.9593

■ 41.5388, 43.0289,
55.6384

■ 27.4122, 29.3460,
6.0114

■ 44.1680, 45.0893,
66.3738

■ 26.7131, 28.2871,
4.7327

■ 47.0392, 47.2703,
78.3102

■ 26.1280, 27.2956,
3.9863

■ 50.1593, 49.5749,
91.4834

■ 26.0201, 27.1088,
3.8611

■ 52.7521, 51.6927,
101.8051

■ 53.4427, 53.0740,
102.0353

Harmonies

Analogous

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



36.5520, 35.9286, 24.7481



33.2901, 35.9286, 23.9192



30.4427, 35.9286, 26.6218

Triad

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



33.2901, 35.9286, 23.9192



29.4485, 35.9286, 51.2117



40.2843, 35.9286, 46.2396

Complementary

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



33.2901, 35.9286, 23.9192



23.7703, 23.6533, 41.8411

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.



38.1446, 35.9286, 55.0218



33.2901, 35.9286, 23.9192



31.8538, 35.9286, 58.1952

Square

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



33.2901, 35.9286, 23.9192



28.3186, 35.9286, 41.6539



35.0227, 35.9286, 59.6904



40.7294, 35.9286, 36.6913

Rectangle

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



33.2901, 35.9286, 23.9192



29.1143, 35.9286, 30.3607



35.0227, 35.9286, 59.6904



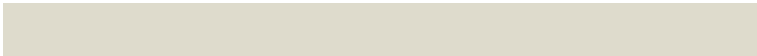
39.7331, 35.9286, 49.4206

Sweetspot

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



33.2910, 35.9302, 23.9200



66.1970, 70.2852, 67.2684



28.0840, 24.5067, 25.2962



14.6420, 15.5699, 14.5404



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.



33.2910, 35.9302, 23.9200



57.7852, 62.5660, 36.3970



31.9651, 37.6842, 24.3284



8.5332, 9.0711, 8.5145



19.6511, 20.5077, 2.9227



0.5792, 0.6355, 0.0921

Inverse Universe

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



23.7703, 23.6533, 41.8411



37.7616, 36.7512, 74.1053



24.8163, 22.4589, 41.5554



7.6959, 7.9911, 10.0895



5.9613, 3.0565, 29.3203



0.2008, 0.1550, 0.8273

Previews

White Background



This preview shows how the XYZ color 33.2901, 35.9286, 23.9192 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 33.2901, 35.9286, 23.9192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

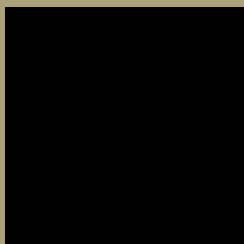
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2901, 35.9286, 23.9192

Background



This preview shows how black text looks on a background with the XYZ color 33.2901, 35.9286, 23.9192.



This preview shows how white text looks on a background with the XYZ color 33.2901, 35.9286,

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

33.2901, 35.9286, 23.9192

Protanopia

33.5536, 35.8040, 23.8813

Deuteranopia

36.5946, 35.8451, 24.0588



Tritanopia

36.8608, 35.8342, 42.0197

Trichromacy



Original Color

33.2901, 35.9286, 23.9192

Protanomaly

33.3333, 35.6905, 23.8710

Deuteranomaly

35.3934, 35.9762, 24.1475

Tritanomaly

35.3499, 35.7194, 34.7372

Monochromacy



Original Color

33.2901, 35.9286, 23.9192

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3212, 35.4888, 32.6976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2901, 35.9286, 23.9192 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, 162, 123)` looks like.

```
.text, #text, p{  
    color:rgb(171, 162, 123)  
}
```

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, 162, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 162, 123) }
```

Border

The CSS property to change the border of an element to XYZ 33.2901, 35.9286, 23.9192 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, 162, 123) }
```


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

```
.border{ border-color:rgb(171, 162, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 162, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 162, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 162, 123);  
box-shadow:4px 4px 4px 4px rgb(171, 162,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2901, 35.9286, 23.9192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 162, 123) }
```

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

```
.background{ background-color: rgb(171,  
162, 123) }
```

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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