

Converting Colors

XYZ(29.9329, 36.6320, 22.8724)

Have a look what the booklet for
XYZ(29.9329, 36.6320, 22.8724)
contains.

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Color

**XYZ(29.9253, 36.6608,
22.9518)**

Conversions

Conversions Part 1

Format	Color
Hex	93AB77
RGB	147, 171, 119
RGB Percent	58%, 67%, 47%
CMY	0.4235, 0.3294, 0.5333
CMYK	0.14, 0.00, 0.30, 0.33
HSL	88°, 24%, 57%
HSV	88°, 30%, 67%
XYZ	29.9253, 36.6608, 22.9518
YIQ	157.8960, 2.3880, -21.2600

Conversions

Conversions Part 2

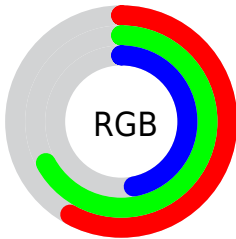
Format	Color
RYB	119, 171, 143
Decimal	9677687
CIELab	67.02, -17.70, 24.11
CIElCh	67, 29.914, 126.285
Yxy	36.6608, 0.3342, 0.4094
Android (android.graphics.Color)	4287867767 (0xFF93AB77)
YUV	157.8960, -19.1757, -9.5558
Hunter-Lab	60.5482, -17.7375, 19.9088

Details

The XYZ color **29.9253, 36.6608, 22.9518** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.2768, 21.9746, 41.4394**, and the grayscale version is **32.5365, 34.2309, 37.2775**.

A 20% lighter version of the original color is **58.9999, 69.9278, 49.4175**, and **12.5262, 16.1226, 8.2461** is the 20% darker color. If you saturate the color by 10%, you get **27.6224, 35.5829, 17.9571**, and if you desaturate by 10%, it is **32.5121, 37.8659, 28.9259**.

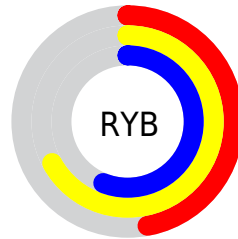
Distribution



Red (58%)

Green (67%)

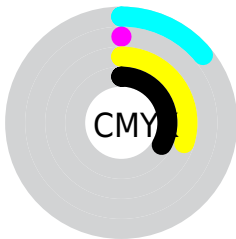
Blue (47%)



Red (47%)

Yellow (67%)

Blue (56%)

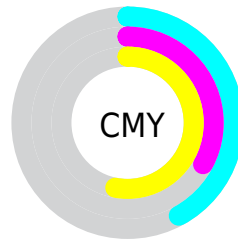


Cyan (14%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (42%)

Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9253, 36.6608, 22.9518 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 29.9253, 36.6608, 22.9518 by changing the saturation by 10% instead.

■ 29.9253, 36.6608,
22.9518

■ 29.9253, 36.6608,
22.9518

293.4722,
331.8396, 280.5912

■ 19.9297, 24.9450,
14.3530

■ 58.9315, 70.0508,
49.2364

■ 12.4519, 16.0361,
8.2250

■ 78.6727, 92.4937,
67.7592

■ 7.1266, 9.5497,
4.1494

■ 102.3932,
119.2812, 90.4270

■ 3.5884, 5.1014,
1.7077

130.4584,
150.7975, 117.6585

■ 1.4720, 2.3069,
0.3660

163.2335,
187.4271, 149.8721

■ 0.3067, 0.7774,
0.0000

201.0839,

■ 0.0000, 0.0000,

229.5544, 187.4864

0.0000

244.3750,
277.5638, 230.9199

■ 29.9253, 36.6608,
22.9518

■ 29.9253, 36.6608,
22.9518

■ 27.6224, 35.5829,
17.9571

■ 32.5121, 37.8659,
28.9259

■ 25.5887, 34.6225,
13.8871

■ 35.3909, 39.1981,
35.9255

■ 23.8122, 33.7757,
10.6854


■ 38.5732, 40.6632,
43.9964


■ 22.2789, 33.0367,
8.2884


■ 42.0687, 42.2656,
53.1813


■ 20.9730, 32.3990,
6.6240


■ 45.8868, 44.0090,
63.5202


 19.8760, 31.8548,
5.6070

 50.0364, 45.8972,
75.0513

 18.9843, 31.4063,
5.0614

 54.5260, 47.9340,
87.8111

 59.2341, 50.0707,
101.1504

 61.5394, 51.2591,
101.2583

Harmonies

Analogous

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



33.8972, 36.6608, 19.8514



29.9253, 36.6608, 22.9518



27.4413, 36.6608, 30.6744

Triad

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



29.9253, 36.6608, 22.9518



31.4473, 36.6608, 67.4934



44.2725, 36.6608, 37.2401

Complementary

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



29.9253, 36.6608, 22.9518



25.2768, 21.9746, 41.4394

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.



43.4733, 36.6608, 50.8523



29.9253, 36.6608, 22.9518



35.8103, 36.6608, 70.3179

Square

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



29.9253, 36.6608, 22.9518



28.2651, 36.6608, 56.6347



40.2763, 36.6608, 63.6795



42.3741, 36.6608, 26.8633

Rectangle

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



29.9253, 36.6608, 22.9518



26.8322, 36.6608, 38.3175



40.2763, 36.6608, 63.6795



44.3125, 36.6608, 41.5611

Sweetspot

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



29.9262, 36.6624, 22.9526



64.0627, 70.5131, 66.0387



29.8584, 29.4564, 21.5653



14.1135, 15.6450, 14.2965



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.



29.9262, 36.6624, 22.9526



50.9666, 64.4278, 35.3345



25.8633, 34.5679, 22.7625



8.3009, 9.1437, 8.5408



14.3719, 23.7061, 3.8183



0.4621, 0.6916, 0.1091

Inverse Universe

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



25.2768, 21.9746, 41.4394



41.3910, 34.1729, 73.4164



30.1827, 24.5038, 41.6690



7.9170, 7.9315, 10.0664



8.0274, 3.4981, 29.2966



0.2868, 0.1301, 0.8180

Previews

White Background



This preview shows how the XYZ color 29.9253, 36.6608, 22.9518 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 29.9253, 36.6608, 22.9518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

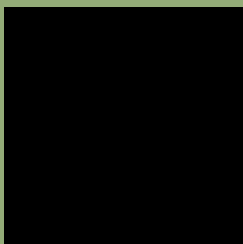
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9253, 36.6608, 22.9518

Background



This preview shows how black text looks on a background with the XYZ color 29.9253, 36.6608, 22.9518.



This preview shows how white text looks on a background with the XYZ color 29.9253, 36.6608,

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

29.9253, 36.6608, 22.9518

Protanopia

33.8709, 36.5462, 21.4886

Deuteranopia

37.1395, 36.3885, 23.4786



Tritanopia

34.7288, 36.6938, 46.8472

Trichromacy



Original Color

29.9253, 36.6608, 22.9518

Protanomaly

32.3057, 36.5327, 21.8718

Deuteranomaly

34.1006, 36.1003, 23.2599

Tritanomaly

32.7684, 36.7131, 36.8118

Monochromacy



Original Color

29.9253, 36.6608, 22.9518

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4577, 35.0780, 31.4983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9253, 36.6608, 22.9518 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(147, 171, 119)` looks like.

```
.text, #text, p{  
    color:rgb(147, 171, 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(147, 171, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 171, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.9253, 36.6608, 22.9518 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(147, 171, 119) }
```


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

```
.border{ border-color:rgb(147, 171, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 171, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 171, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 171, 119);  
box-shadow:4px 4px 4px 4px rgb(147, 171,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9253, 36.6608, 22.9518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 171, 119) }
```

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

```
.background{ background-color: rgb(147,  
171, 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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