

Converting Colors

XYZ(29.5290, 36.2109, 21.6661)

Have a look what the booklet for
XYZ(29.5290, 36.2109, 21.6661)
contains.

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Color

**XYZ(29.5019, 36.1903,
21.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	93AA73
RGB	147, 170, 115
RGB Percent	58%, 67%, 45%
CMY	0.4235, 0.3333, 0.5490
CMYK	0.14, 0.00, 0.32, 0.33
HSL	85°, 24%, 56%
HSV	85°, 32%, 67%
XYZ	29.5019, 36.1903, 21.6502
YIQ	156.8530, 3.9470, -21.9810

Conversions

Conversions Part 2

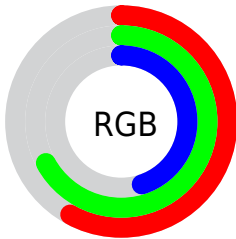
Format	Color
RYB	115, 170, 138
Decimal	9677427
CIELab	66.67, -17.78, 25.79
CIELCh	67, 31.325, 124.577
Yxy	36.1903, 0.3378, 0.4143
Android (android.graphics.Color)	4287867507 (0xFF93AA73)
YUV	156.8530, -20.6335, -8.6411
Hunter-Lab	60.1584, -17.7401, 20.7732

Details

The XYZ color **29.5019, 36.1903, 21.6502** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.8691, 20.5680, 40.7442**, and the grayscale version is **32.0711, 33.7413, 36.7443**.

A 20% lighter version of the original color is **58.2574, 69.1970, 46.8451**, and **12.2857, 15.8370, 7.5636** is the 20% darker color. If you saturate the color by 10%, you get **27.3769, 35.1988, 16.9068**, and if you desaturate by 10%, it is **31.8880, 37.2978, 27.3491**.

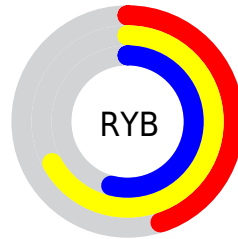
Distribution



Red (58%)

Green (67%)

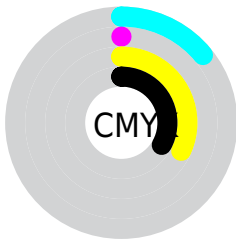
Blue (45%)



Red (45%)

Yellow (67%)

Blue (54%)

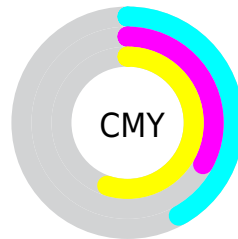


Cyan (14%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (42%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5019, 36.1903, 21.6502 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 29.5019, 36.1903, 21.6502 by changing the saturation by 10% instead.

■ 29.5019, 36.1903,
21.6502

■ 29.5019, 36.1903,
21.6502

291.5274,
329.7915, 273.6077

■ 19.6070, 24.5812,
13.4042

■ 58.2656, 69.3257,
47.0619

■ 12.2163, 15.7653,
7.5735

■ 77.8652, 91.6208,
65.0648

■ 6.9644, 9.3582,
3.7394

■ 101.4303,
118.2466, 87.1570

■ 3.4860, 4.9756,
1.4835

129.3264,
149.5877, 113.7571

■ 1.4157, 2.2329,
0.2056

161.9188,
186.0283, 145.2837

■ 0.2673, 0.7379,
0.0000

199.5729,

■ 0.0000, 0.0000,

227.9529, 182.1553

0.0000

242.6540,
275.7458, 224.7905

■ 29.5019, 36.1903,
21.6502

■ 29.5019, 36.1903,
21.6502

■ 27.3769, 35.1988,
16.9068

■ 31.8880, 37.2978,
27.3491

■ 25.4990, 34.3137,
13.0641

■ 34.5429, 38.5210,
34.0496

■ 23.8566, 33.5317,
10.0655


■ 37.4776, 39.8654,
41.7974


■ 22.4361, 32.8471,
7.8470


■ 40.7013, 41.3350,
50.6349


■ 21.2222, 32.2535,
6.3353


■ 44.2230, 42.9335,
60.6021

 20.1966, 31.7435,
5.4434

 48.0510, 44.6644,
71.7371

 19.5106, 31.3982,
5.0321

 52.1934, 46.5311,
84.0759

 56.6580, 48.5368,
97.6533

 59.2868, 49.8185,
101.0989

Harmonies

Analogous

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



33.6790, 36.1903, 18.7657



29.5019, 36.1903, 21.6502



26.8376, 36.1903, 29.2703

Triad

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



29.5019, 36.1903, 21.6502



30.6482, 36.1903, 67.8370



44.2566, 36.1903, 37.3681

Complementary

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



29.5019, 36.1903, 21.6502



23.8691, 20.5680, 40.7442

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.



43.2592, 36.1903, 51.6448



29.5019, 36.1903, 21.6502



35.1268, 36.1903, 71.3925

Square

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



29.5019, 36.1903, 21.6502



27.4557, 36.1903, 56.0656



39.8074, 36.1903, 64.9026



42.4212, 36.1903, 26.4228

Rectangle

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



29.5019, 36.1903, 21.6502



26.1337, 36.1903, 37.0000



39.8074, 36.1903, 64.9026



44.2428, 36.1903, 41.9121

Sweetspot

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



29.5028, 36.1919, 21.6510



63.7841, 70.3995, 64.6652



28.7500, 27.9382, 20.0975



14.0675, 15.6275, 14.0133



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.



29.5028, 36.1919, 21.6510



50.6461, 64.3186, 32.7885



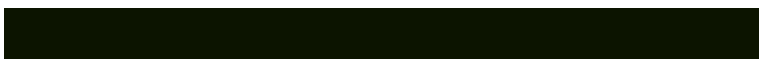
25.1584, 33.9523, 21.4477



7.8391, 8.6151, 8.0390



14.4161, 23.1290, 3.7045



0.4071, 0.5918, 0.0928

Inverse Universe

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



23.8691, 20.5680, 40.7442



38.7814, 31.4014, 73.0190



28.9917, 23.2088, 40.9839



7.4180, 7.4481, 9.4650



7.3149, 3.1544, 28.1988



0.2367, 0.1070, 0.6888

Previews

White Background



This preview shows how the XYZ color 29.5019, 36.1903, 21.6502 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 29.5019, 36.1903, 21.6502 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 29.5019, 36.1903, 21.6502

Background



This preview shows how black text looks on a background with the XYZ color 29.5019, 36.1903, 21.6502.



This preview shows how white text looks on a background with the XYZ color 29.5019, 36.1903,

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

29.5019, 36.1903, 21.6502

Protanopia

33.5242, 36.1245, 20.5350

Deuteranopia

36.7296, 35.9572, 22.1441



Tritanopia

34.3685, 36.0037, 45.6954

Trichromacy



Original Color

29.5019, 36.1903, 21.6502

Protanomaly

31.9528, 36.1019, 20.9070

Deuteranomaly

33.6862, 35.6561, 21.9365

Tritanomaly

32.3418, 35.9825, 35.3777

Monochromacy



Original Color

29.5019, 36.1903, 21.6502

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.9397, 34.5660, 30.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5019, 36.1903, 21.6502 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, 170, 115)` looks like.

```
.text, #text, p{  
    color:rgb(147, 170, 115)  
}
```

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, 170, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 170, 115) }
```

Border

The CSS property to change the border of an element to XYZ 29.5019, 36.1903, 21.6502 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, 170, 115) }
```


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

```
.border{ border-color:rgb(147, 170, 115) }
```

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

Here you see how a box with a 4 pixel rgb(147, 170, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 170, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 170, 115);  
box-shadow:4px 4px 4px 4px rgb(147, 170,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5019, 36.1903, 21.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 170, 115) }
```

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

```
.background{ background-color: rgb(147,  
170, 115) }
```

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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