

Converting Colors

XYZ(29.7934, 36.2981, 21.3158)

Have a look what the booklet for
XYZ(29.7934, 36.2981, 21.3158)
contains.

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Color

**XYZ(29.8064, 36.3539,
21.3656)**

Conversions

Conversions Part 1

Format	Color
Hex	95AA72
RGB	149, 170, 114
RGB Percent	58%, 67%, 45%
CMY	0.4157, 0.3333, 0.5529
CMYK	0.12, 0.00, 0.33, 0.33
HSL	83°, 25%, 56%
HSV	83°, 33%, 67%
XYZ	29.8064, 36.3539, 21.3656
YIQ	157.3370, 5.4600, -21.8680

Conversions

Conversions Part 2

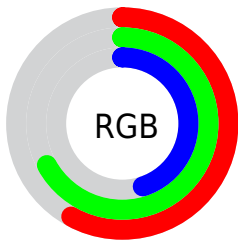
Format	Color
RYB	114, 170, 135
Decimal	9808498
CIELab	66.79, -17.15, 26.52
CIElCh	67, 31.584, 122.894
Yxy	36.3539, 0.3405, 0.4154
Android (android.graphics.Color)	4287998578 (0xFF95AA72)
YUV	157.3370, -21.3651, -7.3115
Hunter-Lab	60.2942, -17.2735, 21.1962

Details

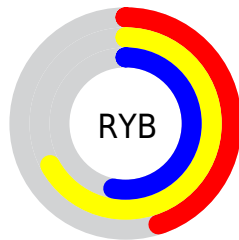
The XYZ color **29.8064, 36.3539, 21.3656** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.2661, 20.0888, 40.6835**, and the grayscale version is **32.2920, 33.9737, 36.9973**.

A 20% lighter version of the original color is **58.7100, 69.4410, 46.3855**, and **12.3623, 15.8799, 7.4146** is the 20% darker color. If you saturate the color by 10%, you get **27.7960, 35.4202, 16.6813**, and if you desaturate by 10%, it is **32.0623, 37.3956, 27.0017**.

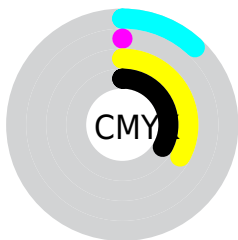
Distribution



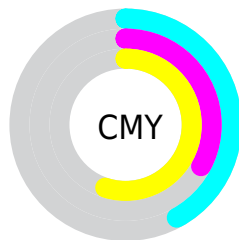
- Red (58%)
- Green (67%)
- Blue (45%)



- Red (45%)
- Yellow (67%)
- Blue (53%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (33%)



- Cyan (42%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8064, 36.3539, 21.3656 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 29.8064, 36.3539, 21.3656 by changing the saturation by 10% instead.

■ 29.8064, 36.3539,
21.3656

■ 29.8064, 36.3539,
21.3656

292.9270,
330.5047, 272.0597

■ 19.8390, 24.7076,
13.1977

■ 58.7446, 69.5780,
46.5839

■ 12.3857, 15.8594,
7.4325

■ 78.4462, 91.9245,
64.4713

■ 7.0810, 9.4247,
3.6515

■ 102.1231,
118.6067, 86.4356

■ 3.5596, 5.0192,
1.4362

■ 130.1409,
150.0088, 112.8954

■ 1.4561, 2.2585,
0.1697

162.8648,
186.5153, 144.2691

■ 0.2957, 0.7516,
0.0000

200.6603,

■ 0.0000, 0.0000,

228.5105, 180.9754

0.0000

243.8925,
276.3788, 223.4327

■ 29.8064, 36.3539,
21.3656

■ 29.8064, 36.3539,
21.3656

■ 27.7960, 35.4202,
16.6813

■ 32.0623, 37.3956,
27.0017

■ 26.0172, 34.5852,
12.8939

■ 34.5710, 38.5446,
33.6358

■ 24.4590, 33.8456,
9.9464


■ 37.3431, 39.8066,
41.3139


■ 23.1082, 33.1959,
7.7743


■ 40.3875, 41.1852,
50.0786


■ 21.9495, 32.6299,
6.3037


■ 43.7127, 42.6840,
59.9700


 20.9652, 32.1404,
5.4465

 47.3270, 44.3062,
71.0261

 20.3484, 31.8301,
5.0714

 51.2380, 46.0552,
83.2831

 55.4532, 47.9339,
96.7760

 57.9859, 49.1479,
101.0380

Harmonies

Analogous

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



34.0922, 36.3539, 18.7132



29.8064, 36.3539, 21.3656



27.0129, 36.3539, 28.7775

Triad

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



29.8064, 36.3539, 21.3656



30.5393, 36.3539, 67.8818



44.5500, 36.3539, 38.2716

Complementary

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



29.8064, 36.3539, 21.3656



23.2661, 20.0888, 40.6835

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.



43.3805, 36.3539, 52.8030



29.8064, 36.3539, 21.3656



35.0185, 36.3539, 72.0513

Square

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



29.8064, 36.3539, 21.3656



27.4079, 36.3539, 55.6363



39.7792, 36.3539, 65.9991



42.8437, 36.3539, 26.9596

Rectangle

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



29.8064, 36.3539, 21.3656



26.2254, 36.3539, 36.4208



39.7792, 36.3539, 65.9991



44.4804, 36.3539, 42.9236

Sweetspot

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



29.8073, 36.3555, 21.3664



64.0621, 70.5428, 64.6782



28.2151, 26.9601, 19.6368



14.1373, 15.6635, 14.0166



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.



29.8073, 36.3555, 21.3664



51.2020, 64.6231, 32.0050



25.3638, 34.0648, 21.1584



7.8701, 8.6311, 8.0404



15.0309, 23.4460, 3.7333



0.4196, 0.5982, 0.0934

Inverse Universe

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



23.2661, 20.0888, 40.6835



37.3755, 30.2205, 72.8651



28.2832, 22.6752, 40.9183



7.3877, 7.4325, 9.4636



6.9388, 2.9605, 28.1812



0.2256, 0.1013, 0.6883

Previews

White Background



This preview shows how the XYZ color 29.8064, 36.3539, 21.3656 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 29.8064, 36.3539, 21.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

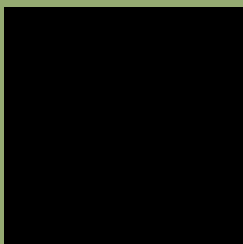
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

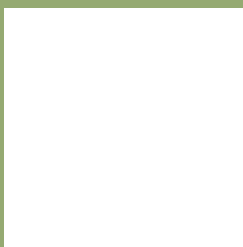
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8064, 36.3539, 21.3656

Background



This preview shows how black text looks on a background with the XYZ color 29.8064, 36.3539, 21.3656.



This preview shows how white text looks on a background with the XYZ color 29.8064, 36.3539,

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

29.8064, 36.3539, 21.3656

Protanopia

33.6941, 36.2185, 20.2539

Deuteranopia

36.6705, 35.9335, 21.8327



Tritanopia

34.7587, 36.2049, 45.7137

Trichromacy



Original Color

29.8064, 36.3539, 21.3656

Protanomaly

32.1056, 36.1871, 20.6219

Deuteranomaly

33.6277, 35.6327, 21.6284

Tritanomaly

32.7225, 36.1787, 35.3955

Monochromacy



Original Color

29.8064, 36.3539, 21.3656

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0545, 34.6338, 30.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8064, 36.3539, 21.3656 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(149, 170, 114)` looks like.

```
.text, #text, p{  
    color:rgb(149, 170, 114)  
}
```

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(149, 170, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 170, 114) }
```

Border

The CSS property to change the border of an element to XYZ 29.8064, 36.3539, 21.3656 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(149, 170, 114) }
```


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

```
.border{ border-color:rgb(149, 170, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 170, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 170, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 170, 114);  
box-shadow:4px 4px 4px 4px rgb(149, 170,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8064, 36.3539, 21.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 170, 114) }
```

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

```
.background{ background-color: rgb(149,  
170, 114) }
```

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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