

Converting Colors

XYZ(30.7398, 36.8938, 22.8123)

Have a look what the booklet for
XYZ(30.7398, 36.8938, 22.8123)
contains.

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Color

**XYZ(30.6534, 36.7568,
22.9319)**

Conversions

Conversions Part 1

Format	Color
Hex	98AA77
RGB	152, 170, 119
RGB Percent	60%, 67%, 47%
CMY	0.4039, 0.3333, 0.5333
CMYK	0.11, 0.00, 0.30, 0.33
HSL	81°, 23%, 57%
HSV	81°, 30%, 67%
XYZ	30.6534, 36.7568, 22.9319
YIQ	158.8040, 5.6430, -19.6770

Conversions

Conversions Part 2

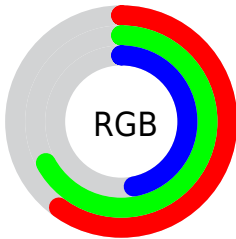
Format	Color
RYB	119, 170, 137
Decimal	10005111
CIELab	67.09, -15.28, 24.27
CIElCh	67, 28.680, 122.188
Yxy	36.7568, 0.3393, 0.4069
Android (android.graphics.Color)	4288195191 (0xFF98AA77)
YUV	158.8040, -19.6234, -5.9671
Hunter-Lab	60.6274, -15.8478, 20.0131

Details

The XYZ color **30.6534, 36.7568, 22.9319** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.1705, 21.4153, 40.8920**, and the grayscale version is **32.9509, 34.6669, 37.7523**.

A 20% lighter version of the original color is **60.1037, 70.0944, 49.3915**, and **12.8395, 16.1084, 8.2269** is the 20% darker color. If you saturate the color by 10%, you get **28.6278, 35.8213, 17.9760**, and if you desaturate by 10%, it is **32.9204, 37.7979, 28.8539**.

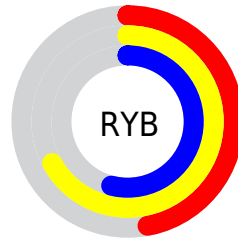
Distribution



Red (60%)

Green (67%)

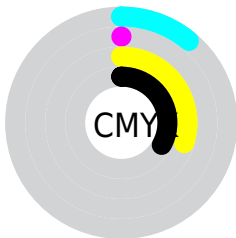
Blue (47%)



Red (47%)

Yellow (67%)

Blue (54%)

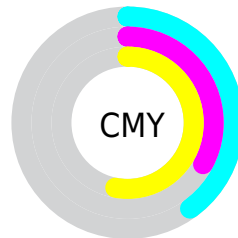


Cyan (11%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (40%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6534, 36.7568, 22.9319 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 30.6534, 36.7568, 22.9319 by changing the saturation by 10% instead.


 30.6534, 36.7568,
22.9319


 30.6534, 36.7568,
22.9319


296.7938,
332.2564, 280.4856


 20.4856, 25.0192,
14.3384


 60.0735, 70.1986,
49.2033

 12.8588, 16.0914,
8.2150

 80.0566, 92.6716,
67.7182

 7.4077, 9.5889,
4.1431


 104.0421,
119.4919, 90.3774

 3.7670, 5.1272,
1.7042

132.3954,
151.0439, 117.5993

 1.5712, 2.3221,
0.3636

165.4818,
187.7119, 149.8026

 0.3735, 0.7854,
0.0000

203.6668,

 0.0000, 0.0000,

229.8804, 187.4057

0.0000

247.3157,
277.9338, 230.8272

■ 30.6534, 36.7568,
22.9319

■ 30.6534, 36.7568,
22.9319

■ 28.6278, 35.8213,
17.9760

■ 32.9204, 37.7979,
28.8539

■ 26.8301, 34.9822,
13.9326

■ 35.4359, 38.9438,
35.7873

■ 25.2499, 34.2365,
10.7464

■ 38.2099, 40.1999,
43.7771

■ 23.8745, 33.5789,
8.3550

■ 41.2511, 41.5697,
52.8651

■ 22.6895, 33.0037,
6.6878

■ 44.5679, 43.0567,
63.0909

■ 21.6783, 32.5041,
5.6616

■ 48.1680, 44.6640,
74.4918

■ 20.8050, 32.0656,
5.0927

■ 52.0591, 46.3948,
87.1037

■ 56.2475, 48.2517,
100.9567

■ 57.8821, 49.0944,
101.0332

Harmonies

Analogous

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



34.6167, 36.7568, 20.4878



30.6534, 36.7568, 22.9319



28.0264, 36.7568, 29.8224

Triad

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



30.6534, 36.7568, 22.9319



31.1650, 36.7568, 65.2680



44.0118, 36.7568, 39.1110

Complementary

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



30.6534, 36.7568, 22.9319



24.1705, 21.4153, 40.8920

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.



42.8976, 36.7568, 52.3163



30.6534, 36.7568, 22.9319



35.2577, 36.7568, 69.1656

Square

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



30.6534, 36.7568, 22.9319



28.3040, 36.7568, 54.2401



39.6005, 36.7568, 64.0045



42.5312, 36.7568, 28.5347

Rectangle

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



30.6534, 36.7568, 22.9319



27.2636, 36.7568, 36.8431



39.6005, 36.7568, 64.0045



43.9281, 36.7568, 43.3784

Sweetspot

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



30.6543, 36.7584, 22.9327



64.6945, 70.8387, 66.0683



28.8331, 27.7279, 21.2856



14.2749, 15.7282, 14.3041



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.



30.6543, 36.7584, 22.9327



53.1230, 65.5395, 35.4354



26.4060, 34.5683, 22.7339



7.8860, 8.6394, 8.0412



15.3657, 23.6185, 3.7490



0.4262, 0.6016, 0.0937

Inverse Universe

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



24.1705, 21.4153, 40.8920



39.4511, 33.1729, 73.3256



28.8254, 23.8150, 41.1098



7.3723, 7.4246, 9.4629



6.7643, 2.8706, 28.1730



0.2200, 0.0984, 0.6880

Previews

White Background



This preview shows how the XYZ color 30.6534, 36.7568, 22.9319 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 30.6534, 36.7568, 22.9319 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 30.6534, 36.7568, 22.9319

Background



This preview shows how black text looks on a background with the XYZ color 30.6534, 36.7568, 22.9319.



This preview shows how white text looks on a background with the XYZ color 30.6534, 36.7568,

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

30.6534, 36.7568, 22.9319

Protanopia

34.1541, 36.6854, 21.8039

Deuteranopia

37.1395, 36.3885, 23.4786



Tritanopia

35.4309, 36.8026, 46.3105

Trichromacy



Original Color

30.6534, 36.7568, 22.9319

Protanomaly

32.7835, 36.7723, 22.1995

Deuteranomaly

34.3275, 36.2173, 23.2705

Tritanomaly

33.4572, 36.8071, 36.3514

Monochromacy



Original Color

30.6534, 36.7568, 22.9319

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.8415, 35.2759, 31.5163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6534, 36.7568, 22.9319 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(152, 170, 119)` looks like.

```
.text, #text, p{  
    color:rgb(152, 170, 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(152, 170, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 170, 119) }
```

Border

The CSS property to change the border of an element to XYZ 30.6534, 36.7568, 22.9319 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(152, 170, 119) }
```


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

```
.border{ border-color:rgb(152, 170, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 170, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 170, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 170, 119);  
box-shadow:4px 4px 4px 4px rgb(152, 170,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6534, 36.7568, 22.9319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 170, 119) }
```

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

```
.background{ background-color: rgb(152,  
170, 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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