

Converting Colors

XYZ(30.7937, 32.1757, 8.9357)

Have a look what the booklet for
XYZ(30.7937, 32.1757, 8.9357)
contains.

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Color

**XYZ(30.7313, 32.1734,
9.0053)**

Conversions

Conversions Part 1

Format	Color
Hex	B4973D
RGB	180, 151, 61
RGB Percent	71%, 59%, 24%
CMY	0.2941, 0.4078, 0.7608
CMYK	0.00, 0.16, 0.66, 0.29
HSL	45°, 49%, 47%
HSV	45°, 66%, 71%
XYZ	30.7313, 32.1734, 9.0053
YIQ	149.4110, 46.1740, -21.8420

Conversions

Conversions Part 2

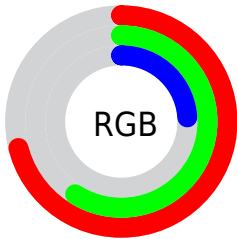
Format	Color
R _Y B	99, 180, 61
Decimal	11835197
CIE Lab	63.49, 0.56, 49.91
CIE LCh	63, 49.910, 89.352
Yxy	32.1734, 0.4274, 0.4474
Android (android.graphics.Color)	4290025277 (0xFFB4973D)
YUV	149.4110, -43.5866, 26.8266
Hunter-Lab	56.7216, -2.5530, 30.2921

Details

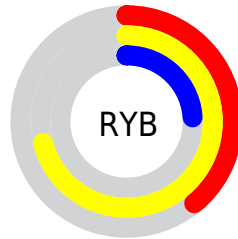
The XYZ color **30.7313, 32.1734, 9.0053** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.8188, 11.5994, 44.6904**, and the grayscale version is **28.9056, 30.4109, 33.1175**.

A 20% lighter version of the original color is **60.0719, 63.0320, 24.6231**, and **12.8803, 13.4038, 1.9658** is the 20% darker color. If you saturate the color by 10%, you get **29.6329, 30.6268, 6.6355**, and if you desaturate by 10%, it is **32.0201, 33.8407, 12.2420**.

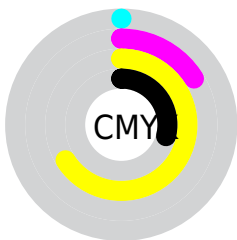
Distribution



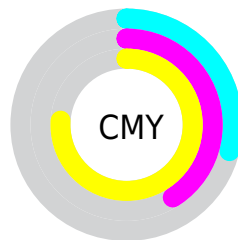
- Red (71%)
- Green (59%)
- Blue (24%)



- Red (39%)
- Yellow (71%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (66%)
- Black (29%)





- Cyan (29%)
- Magenta (41%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7313, 32.1734, 9.0053 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 30.7313, 32.1734, 9.0053 by changing the saturation by 10% instead.


 30.7313, 32.1734,
9.0053


 30.7313, 32.1734,
9.0053


297.1475,
311.9084, 193.6370


 20.5451, 21.4940,
4.6478


 60.1955, 63.0828,
24.4848


 12.9025, 13.4856,
1.9870


 80.2043, 84.0816,
36.4439


 7.4380, 7.7637,
0.5473


 104.2180,
109.2890, 51.7739

 3.7862, 3.9442,
0.0000

 132.6019,
139.0893, 70.8934

 1.5819, 1.6424,
0.0000

 165.7215,
173.8671, 94.2209

 0.3806, 0.3859,
0.0000

 203.9420,

 0.0000, 0.0000,

214.0065, 122.1750

0.0000

247.6289,
259.8922, 155.1742

■ 30.7313, 32.1734,
9.0053

■ 30.7313, 32.1734,
9.0053

■ 29.6329, 30.6268,
6.6355

■ 32.0201, 33.8407,
12.2420

■ 28.7055, 29.1888,
5.0409

■ 33.5122, 35.6306,
16.4211

■ 27.9272, 27.8517,
4.1051

■ 35.2215, 37.5502,
21.6121

■ 27.6463, 27.3512,
3.8222

■ 37.1602, 39.6049,
27.8773

■ 39.3394, 41.7996,
35.2741

■ 41.7694, 44.1388,
43.8556

■ 44.4600, 46.6268,
53.6718

■ 47.4203, 49.2677,
64.7696

■ 50.6590, 52.0653,
77.1935

Harmonies

Analogous

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



37.9108, 32.1734, 11.3432



30.7313, 32.1734, 9.0053



24.4858, 32.1734, 11.1402

Triad

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



30.7313, 32.1734, 9.0053



20.3478, 32.1734, 57.3402



43.5782, 32.1734, 58.3882

Complementary

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



30.7313, 32.1734, 9.0053



13.8188, 11.5994, 44.6904

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.



37.6094, 32.1734, 80.1019



30.7313, 32.1734, 9.0053



24.2607, 32.1734, 79.3526

Square

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



30.7313, 32.1734, 9.0053



19.0687, 32.1734, 34.6001



30.4289, 32.1734, 88.9312



45.9841, 32.1734, 35.4662

Rectangle

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



30.7313, 32.1734, 9.0053



21.5196, 32.1734, 15.5464



30.4289, 32.1734, 88.9312



41.8814, 32.1734, 66.3458

Sweetspot

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



30.7320, 32.1749, 9.0059



69.6041, 74.0761, 58.0259



22.3688, 13.7921, 11.3247



14.8095, 15.7736, 11.7479



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7320, 32.1749, 9.0059



52.9817, 54.4035, 10.6437



29.7874, 39.4871, 10.4671



9.0182, 9.5488, 9.0203



19.3500, 19.1986, 2.6858



0.6511, 0.6886, 0.0986

Inverse Universe

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



13.8188, 11.5994, 44.6904



20.2577, 14.7158, 80.0673



14.1971, 8.8447, 44.1387



8.2046, 8.5554, 10.7253



6.4201, 3.6405, 30.5013



0.2484, 0.2072, 0.9751

Previews

White Background



This preview shows how the XYZ color 30.7313, 32.1734, 9.0053 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 30.7313, 32.1734, 9.0053 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 30.7313, 32.1734, 9.0053

Background



This preview shows how black text looks on a background with the XYZ color 30.7313, 32.1734, 9.0053.



This preview shows how white text looks on a background with the XYZ color 30.7313, 32.1734,

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

30.7313, 32.1734, 9.0053

Protanopia

29.2197, 32.1169, 9.2166

Deuteranopia

32.6342, 31.9819, 9.0105



Tritanopia

35.9163, 32.2107, 34.4613

Trichromacy



Original Color

30.7313, 32.1734, 9.0053

Protanomaly

29.7163, 32.1289, 9.1927

Deuteranomaly

31.9529, 32.0924, 9.0678

Tritanomaly

33.2827, 31.7972, 22.1526

Monochromacy



Original Color

30.7313, 32.1734, 9.0053

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6144, 30.5706, 21.2222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7313, 32.1734, 9.0053 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(180, 151, 61)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 61)  
}
```

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(180, 151, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 61) }
```

Border

The CSS property to change the border of an element to XYZ 30.7313, 32.1734, 9.0053 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(180, 151, 61) }
```


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

```
.border{ border-color:rgb(180, 151, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 151, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 61);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7313, 32.1734, 9.0053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 61) }
```

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

```
.background{ background-color: rgb(180,  
151, 61) }
```

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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