

Converting Colors

XYZ(30.8650, 32.2799, 7.1638)

Have a look what the booklet for
XYZ(30.8650, 32.2799, 7.1638)
contains.

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Color

**XYZ(30.8512, 32.2756,
7.1885)**

Conversions

Conversions Part 1

Format	Color
Hex	B6972E
RGB	182, 151, 46
RGB Percent	71%, 59%, 18%
CMY	0.2863, 0.4078, 0.8196
CMYK	0.00, 0.17, 0.75, 0.29
HSL	46°, 60%, 45%
HSV	46°, 75%, 71%
XYZ	30.8512, 32.2756, 7.1885
YIQ	148.2990, 52.1810, -26.0830

Conversions

Conversions Part 2

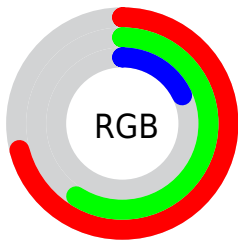
Format	Color
R _Y B	86, 182, 46
Decimal	11966254
CIE Lab	63.57, 0.65, 56.36
CIE LCh	64, 56.360, 89.341
Yxy	32.2756, 0.4388, 0.4590
Android (android.graphics.Color)	4290156334 (0xFFB6972E)
YUV	148.2990, -50.4334, 29.5558
Hunter-Lab	56.8116, -2.4870, 32.2660

Details

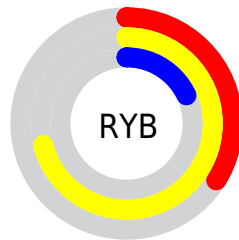
The XYZ color **30.8512, 32.2756, 7.1885** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.2240, 9.2657, 45.3999**, and the grayscale version is **28.4630, 29.9453, 32.6104**.

A 20% lighter version of the original color is **60.3591, 63.2643, 20.8343**, and **13.1111, 13.6673, 1.9470** is the 20% darker color. If you saturate the color by 10%, you get **29.9101, 30.8510, 5.4647**, and if you desaturate by 10%, it is **31.9693, 33.8112, 9.7221**.

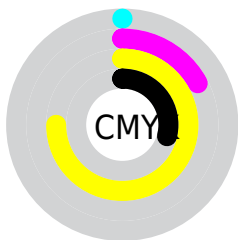
Distribution



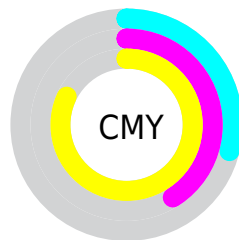
- Red (71%)
- Green (59%)
- Blue (18%)



- Red (34%)
- Yellow (71%)
- Blue (18%)



- Cyan (0%)
- Magenta (17%)
- Yellow (75%)
- Black (29%)



- Cyan (29%)
- Magenta (41%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8512, 32.2756, 7.1885 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 30.8512, 32.2756, 7.1885 by changing the saturation by 10% instead.

30.8512, 32.2756,
7.1885

30.8512, 32.2756,
7.1885

297.6913,
312.3728, 178.9109

20.6368, 21.5721,
3.5000

60.3832, 63.2429,
20.8707

12.9697, 13.5428,
1.3553

80.4315, 84.2755,
31.7016

7.4846, 7.8034,
0.1065

104.4885,
109.5199, 45.7503

3.8160, 3.9694,
0.0000

132.9195,
139.3605, 63.4354

1.5986, 1.6565,
0.0000

166.0900,
174.1816, 85.1755

0.3915, 0.3952,
0.0000

204.3652,

0.0000, 0.0000,

214.3678, 111.3891

0.0000

248.1105,
260.3034, 142.4947

■ 30.8512, 32.2756,
7.1885

■ 30.8512, 32.2756,
7.1885

■ 29.9101, 30.8510,
5.4647

■ 31.9693, 33.8112,
9.7221

■ 29.1228, 29.5238,
4.4395

■ 33.2796, 35.4603,
13.1538

■ 28.7457, 28.8537,
4.0543

■ 34.7979, 37.2309,
17.5624

■ 36.5375, 39.1288,
23.0177

■ 38.5108, 41.1592,
29.5828

■ 40.7290, 43.3269,
37.3161

■ 43.2026, 45.6366,
46.2716

■ 45.9414, 48.0925,
56.5002

■ 48.9547, 50.6986,
68.0497

Harmonies

Analogous

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



39.0530, 32.2756, 9.5006



30.8512, 32.2756, 7.1885



23.8471, 32.2756, 9.2939

Triad

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



30.8512, 32.2756, 7.1885



19.2921, 32.2756, 60.9249



45.6119, 32.2756, 62.1782

Complementary

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



30.8512, 32.2756, 7.1885



12.2240, 9.2657, 45.3999

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.



38.7003, 32.2756, 88.0334



30.8512, 32.2756, 7.1885



23.5934, 32.2756, 87.1181

Square

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



30.8512, 32.2756, 7.1885



17.9035, 32.2756, 34.6470



30.5034, 32.2756, 98.6789



48.4202, 32.2756, 35.6430

Rectangle

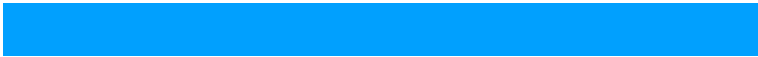
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.8512, 32.2756, 7.1885



20.5752, 32.2756, 13.8024



30.5034, 32.2756, 98.6789



43.6391, 32.2756, 71.5903

Sweetspot

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



30.8519, 32.2772, 7.1891



70.7251, 75.5230, 56.7360



21.6341, 12.4455, 8.4201



15.3921, 16.4525, 11.7473



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.8519, 32.2772, 7.1891



53.2287, 54.2784, 8.5200



29.0279, 39.7397, 8.7257



9.5719, 10.1468, 9.5609



20.3518, 20.4799, 2.8804



0.7607, 0.8084, 0.1159

Inverse Universe

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



12.2240, 9.2657, 45.3999



18.0185, 10.9951, 81.4083



12.9237, 7.1375, 44.9523



8.6828, 9.0427, 11.3672



6.5771, 3.6139, 31.6040



0.2796, 0.2229, 1.1300

Previews

White Background



This preview shows how the XYZ color 30.8512, 32.2756, 7.1885 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 30.8512, 32.2756, 7.1885 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 30.8512, 32.2756, 7.1885

Background



This preview shows how black text looks on a background with the XYZ color 30.8512, 32.2756, 7.1885.



This preview shows how white text looks on a background with the XYZ color 30.8512, 32.2756,

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

30.8512, 32.2756, 7.1885

Protanopia

29.3023, 32.2007, 7.3603

Deuteranopia

32.8047, 32.1086, 7.2649



Tritanopia

36.4276, 32.2639, 34.0134

Trichromacy



Original Color

30.8512, 32.2756, 7.1885

Protanomaly

29.8088, 32.2178, 7.3369

Deuteranomaly

32.0893, 32.2039, 7.2140

Tritanomaly

33.5996, 32.0078, 20.0300

Monochromacy



Original Color

30.8512, 32.2756, 7.1885

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.1139, 30.1162, 19.3702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8512, 32.2756, 7.1885 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(182, 151, 46)` looks like.

```
.text, #text, p{  
    color:rgb(182, 151, 46)  
}
```

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(182, 151, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 151, 46) }
```

Border

The CSS property to change the border of an element to XYZ 30.8512, 32.2756, 7.1885 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(182, 151, 46) }
```


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

```
.border{ border-color:rgb(182, 151, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 151, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 151, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 151, 46);  
box-shadow:4px 4px 4px 4px rgb(182, 151,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8512, 32.2756, 7.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 151, 46) }
```

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

```
.background{ background-color: rgb(182,  
151, 46) }
```

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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