

Converting Colors

XYZ(30.7777, 33.0516, 6.7898)

Have a look what the booklet for
XYZ(30.7777, 33.0516, 6.7898)
contains.

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Color

**XYZ(30.7610, 32.9677,
6.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	B49A28
RGB	180, 154, 40
RGB Percent	71%, 60%, 16%
CMY	0.2941, 0.3961, 0.8431
CMYK	0.00, 0.14, 0.78, 0.29
HSL	49°, 64%, 43%
HSV	49°, 78%, 71%
XYZ	30.7610, 32.9677, 6.7496
YIQ	148.7780, 52.0900, -29.9420

Conversions

Conversions Part 2

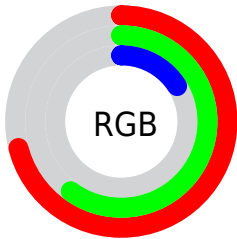
Format	Color
RYB	72, 180, 40
Decimal	11835944
CIELab	64.13, -2.12, 59.01
CIELCh	64, 59.048, 92.059
Yxy	32.9677, 0.4365, 0.4678
Android (android.graphics.Color)	4290026024 (0xFFB49A28)
YUV	148.7780, -53.6276, 27.3817
Hunter-Lab	57.4175, -4.8506, 33.2225

Details

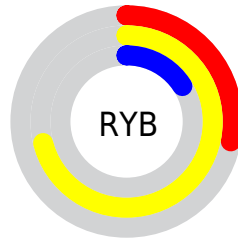
The XYZ color **30.7610, 32.9677, 6.7496** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.0615, 7.6428, 44.0719**, and the grayscale version is **28.6775, 30.1710, 32.8562**.

A 20% lighter version of the original color is **60.2180, 64.2887, 20.0616**, and **13.0186, 13.9114, 1.9990** is the 20% darker color. If you saturate the color by 10%, you get **29.9795, 31.7860, 5.3145**, and if you desaturate by 10%, it is **31.7019, 34.2404, 8.9417**.

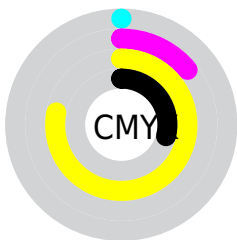
Distribution



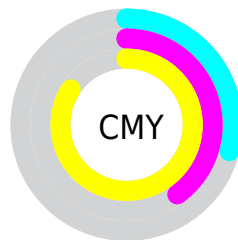
- Red (71%)
- Green (60%)
- Blue (16%)



- Red (28%)
- Yellow (71%)
- Blue (16%)



- Cyan (0%)
- Magenta (14%)
- Yellow (78%)
- Black (29%)





- Cyan (29%)
- Magenta (40%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7610, 32.9677, 6.7496 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 30.7610, 32.9677, 6.7496 by changing the saturation by 10% instead.


 30.7610, 32.9677,
6.7496


 30.7610, 32.9677,
6.7496


297.2823,
315.5042, 175.1178

 20.5679, 22.1017,
3.2299


 60.2420, 64.3251,
19.9719


 12.9191, 13.9316,
1.2132


 80.2606, 85.5853,
30.5116


 7.4495, 8.0731,
0.0000


 104.2850,
111.0790, 44.2284

 3.7936, 4.1418,
0.0000

 132.6806,
141.1906, 61.5408

 1.5860, 1.7532,
0.0000

 165.8128,
176.3046, 82.8675

 0.3833, 0.4577,
0.0000

 204.0469,

 0.0000, 0.0000,

216.8052, 108.6268

0.0000

247.7483,
263.0769, 139.2374

■ 30.7610, 32.9677,
6.7496

■ 30.7610, 32.9677,
6.7496

■ 29.9795, 31.7860,
5.3145

■ 31.7019, 34.2404,
8.9417

■ 29.3278, 30.6792,
4.4909

■ 32.8176, 35.6064,
11.9813

■ 29.1903, 30.4393,
4.3369

■ 34.1240, 37.0737,
15.9481

■ 35.6344, 38.6478,
20.9121

■ 37.3612, 40.3338,
26.9366

■ 39.3152, 42.1362,
34.0796

■ 41.5070, 44.0594,
42.3949

■ 43.9461, 46.1074,
51.9329

■ 46.6416, 48.2841,
62.7410

Harmonies

Analogous

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



39.4840, 32.9677, 8.6565



30.7610, 32.9677, 6.7496



23.5555, 32.9677, 9.3131

Triad

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



30.7610, 32.9677, 6.7496



19.5932, 32.9677, 66.2860



47.7837, 32.9677, 62.0681

Complementary

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



30.7610, 32.9677, 6.7496



11.0615, 7.6428, 44.0719

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.



40.6621, 32.9677, 90.7353



30.7610, 32.9677, 6.7496



24.3919, 32.9677, 93.8382

Square

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



30.7610, 32.9677, 6.7496



17.8624, 32.9677, 37.5752



31.9157, 32.9677, 104.3313



50.2946, 32.9677, 34.2680

Rectangle

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



30.7610, 32.9677, 6.7496



20.2930, 32.9677, 14.3830



31.9157, 32.9677, 104.3313



45.7939, 32.9677, 72.2813

Sweetspot

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



30.7618, 32.9693, 6.7503



69.2449, 74.5398, 54.2617



20.6247, 11.6385, 6.6288



14.7011, 15.8629, 10.7685



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.



30.7618, 32.9693, 6.7503



53.5372, 56.2557, 8.5436



27.1856, 38.1989, 7.9482



9.0603, 9.6330, 9.0344



20.4188, 21.3361, 3.0421



0.6772, 0.7408, 0.1073

Inverse Universe

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



11.0615, 7.6428, 44.0719



16.6185, 9.0087, 79.1576



12.4770, 6.6071, 43.7974



8.1654, 8.4770, 10.7122



6.1748, 3.1500, 30.4195



0.2323, 0.1752, 0.9698

Previews

White Background



This preview shows how the XYZ color 30.7610, 32.9677, 6.7496 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 30.7610, 32.9677, 6.7496 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 30.7610, 32.9677, 6.7496

Background



This preview shows how black text looks on a background with the XYZ color 30.7610, 32.9677, 6.7496.



This preview shows how white text looks on a background with the XYZ color 30.7610, 32.9677,

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

30.7610, 32.9677, 6.7496

Protanopia

29.9679, 33.0510, 6.8978

Deuteranopia

33.5316, 32.9563, 6.8794



Tritanopia

36.6287, 33.0044, 35.4503

Trichromacy



Original Color

30.7610, 32.9677, 6.7496

Protanomaly

30.2530, 32.9499, 6.8633

Deuteranomaly

32.5595, 32.9270, 6.8300

Tritanomaly

33.5781, 32.6864, 20.1621

Monochromacy



Original Color

30.7610, 32.9677, 6.7496

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3241, 30.7109, 18.9030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7610, 32.9677, 6.7496 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, 154, 40)` looks like.

```
.text, #text, p{  
    color:rgb(180, 154, 40)  
}
```

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, 154, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 154, 40) }
```

Border

The CSS property to change the border of an element to XYZ 30.7610, 32.9677, 6.7496 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, 154, 40) }
```


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

```
.border{ border-color:rgb(180, 154, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 154, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 154, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 154, 40);  
box-shadow:4px 4px 4px 4px rgb(180, 154,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7610, 32.9677, 6.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 154, 40) }
```

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

```
.background{ background-color: rgb(180,  
154, 40) }
```

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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