

Converting Colors

XYZ(30.0256, 35.9636, 6.7770)

Have a look what the booklet for
XYZ(30.0256, 35.9636, 6.7770)
contains.

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Color

**XYZ(30.0296, 35.9627,
6.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A721
RGB	167, 167, 33
RGB Percent	65%, 65%, 13%
CMY	0.3451, 0.3451, 0.8706
CMYK	0.00, 0.00, 0.80, 0.35
HSL	60°, 67%, 39%
HSV	60°, 80%, 65%
XYZ	30.0296, 35.9627, 6.7976
YIQ	151.7240, 43.0140, -41.6740

Conversions

Conversions Part 2

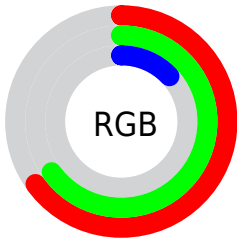
Format	Color
RYB	33, 167, 33
Decimal	10987297
CIELab	66.49, -15.02, 62.89
CIELCh	66, 64.655, 103.435
Yxy	35.9627, 0.4126, 0.4941
Android (android.graphics.Color)	4289177377 (0xFFA7A721)
YUV	151.7240, -58.5309, 13.3971
Hunter-Lab	59.9689, -15.5612, 35.2576

Details

The XYZ color **30.0296, 35.9627, 6.7976** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.1470, 4.2017, 36.9430**, and the grayscale version is **29.9583, 31.5185, 34.3236**.

A 20% lighter version of the original color is **59.0609, 69.0054, 20.1041**, and **12.6863, 15.6410, 2.3504** is the 20% darker color. If you saturate the color by 10%, you get **29.8515, 35.8928, 5.8569**, and if you desaturate by 10%, it is **30.3254, 36.0824, 8.3508**.

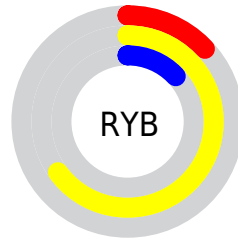
Distribution



Red (65%)

Green (65%)

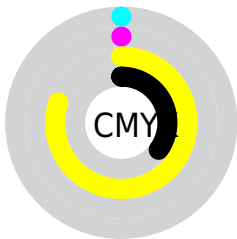
Blue (13%)



Red (13%)

Yellow (65%)

Blue (13%)

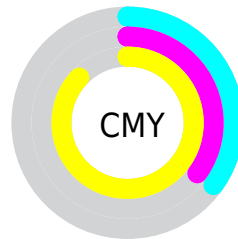


Cyan (0%)

Magenta (0%)

Yellow (80%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0296, 35.9627, 6.7976 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 30.0296, 35.9627, 6.7976 by changing the saturation by 10% instead.

■ 30.0296, 35.9627,
6.7976

■ 30.0296, 35.9627,
6.7976

293.9498,
328.7975, 175.5378

■ 20.0092, 24.4054,
3.2593

■ 59.0953, 68.9745,
20.0708

■ 12.5101, 15.6346,
1.2285

■ 78.8713, 91.1978,
30.6427

■ 7.1667, 9.2660,
0.0021

■ 102.6300,
117.7451, 44.3963

■ 3.6138, 4.9151,
0.0000

■ 130.7366,
149.0010, 61.7501

■ 1.4861, 2.1975,
0.0000

■ 163.5565,
185.3498, 83.1226

■ 0.3163, 0.7186,
0.0000

■ 201.4551,

■ 0.0000, 0.0000,

227.1759, 108.9323

0.0000

244.7977,
274.8636, 139.5979

■ 30.0296, 35.9627,
6.7976

■ 30.0296, 35.9627,
6.7976

■ 29.8515, 35.8928,
5.8569

■ 30.3254, 36.0824,
8.3508

■ 29.7556, 35.8544,
5.3523

■ 30.7515, 36.2528,
10.5941

■ 31.3217, 36.4809,
13.5961

■ 32.0473, 36.7712,
17.4164

■ 32.9385, 37.1277,
22.1088

■ 34.0047, 37.5542,
27.7224

■ 35.2544, 38.0541,
34.3029

■ 36.6959, 38.6307,
41.8927

■ 38.3365, 39.2870,
50.5318

Harmonies

Analogous

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



39.7780, 35.9627, 7.0353



30.0296, 35.9627, 6.7976



22.8974, 35.9627, 11.7715

Triad

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



30.0296, 35.9627, 6.7976



22.3504, 35.9627, 88.5436



55.3500, 35.9627, 56.4409

Complementary

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



30.0296, 35.9627, 6.7976



8.1470, 4.2017, 36.9430

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.



48.6710, 35.9627, 92.1449



30.0296, 35.9627, 6.7976



29.1361, 35.9627, 115.8852

Square

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



30.0296, 35.9627, 6.7976



19.0638, 35.9627, 52.9213



38.6994, 35.9627, 117.4484



55.7143, 35.9627, 28.0142

Rectangle

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



30.0296, 35.9627, 6.7976



20.0690, 35.9627, 19.8014



38.6994, 35.9627, 117.4484



53.7189, 35.9627, 68.2237

Sweetspot

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



30.0304, 35.9644, 6.7983



60.0559, 66.9169, 45.2196



16.7559, 9.4139, 2.3732



13.2949, 14.9169, 9.3584



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.0304, 35.9644, 6.7983



53.3347, 64.2282, 9.8352



19.3503, 30.4586, 6.2985



8.1469, 8.7738, 8.0534



22.7679, 27.4345, 4.0954



0.5540, 0.6675, 0.0996

Inverse Universe

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



8.1470, 4.2017, 36.9430



12.6946, 5.2410, 65.8178



12.7756, 6.5879, 37.1596



7.1318, 7.3006, 9.4516



5.3374, 2.1350, 28.1063



0.1299, 0.0519, 0.6838

Previews

White Background



This preview shows how the XYZ color 30.0296, 35.9627, 6.7976 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 30.0296, 35.9627, 6.7976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

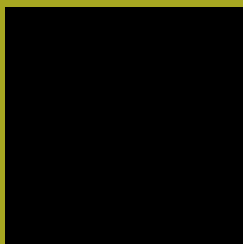
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0296, 35.9627, 6.7976

Background



This preview shows how black text looks on a background with the XYZ color 30.0296, 35.9627, 6.7976.



This preview shows how white text looks on a background with the XYZ color 30.0296, 35.9627,

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

30.0296, 35.9627, 6.7976

Protanopia

32.4724, 35.8900, 6.5825

Deuteranopia

36.4028, 35.6322, 6.9665



Tritanopia

37.3164, 36.0691, 42.0410

Trichromacy



Original Color

30.0296, 35.9627, 6.7976

Protanomaly

31.6676, 36.0023, 6.6466

Deuteranomaly

33.7960, 35.5344, 6.8279

Tritanomaly

33.3561, 35.4722, 22.5415

Monochromacy



Original Color

30.0296, 35.9627, 6.7976

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.7219, 32.3862, 19.2053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0296, 35.9627, 6.7976 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(167, 167, 33)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 33)  
}
```

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(167, 167, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 33) }
```

Border

The CSS property to change the border of an element to XYZ 30.0296, 35.9627, 6.7976 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(167, 167, 33) }
```


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

```
.border{ border-color:rgb(167, 167, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 167, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 33);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0296, 35.9627, 6.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 33) }
```

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

```
.background{ background-color: rgb(167,  
167, 33) }
```

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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