

Converting Colors

XYZ(28.4456, 30.7762, 7.6259)

Have a look what the booklet for
XYZ(28.4456, 30.7762, 7.6259)
contains.

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Color

**XYZ(28.5171, 30.8224,
7.5783)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9633
RGB	172, 150, 51
RGB Percent	67%, 59%, 20%
CMY	0.3255, 0.4117, 0.8000
CMYK	0.00, 0.13, 0.70, 0.33
HSL	49°, 54%, 44%
HSV	49°, 70%, 67%
XYZ	28.5171, 30.8224, 7.5783
YIQ	145.2920, 44.8910, -26.1250

Conversions

Conversions Part 2

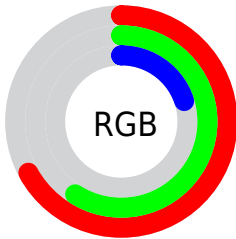
Format	Color
RYB	78, 172, 51
Decimal	11310643
CIELab	62.36, -3.02, 52.83
CIElCh	62, 52.917, 93.271
Yxy	30.8224, 0.4262, 0.4606
Android (android.graphics.Color)	4289500723 (0xFFAC9633)
YUV	145.2920, -46.4860, 23.4229
Hunter-Lab	55.5179, -5.4688, 30.7694

Details

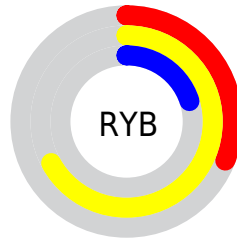
The XYZ color **28.5171, 30.8224, 7.5783** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.1941, 8.4472, 40.0697**, and the grayscale version is **27.2038, 28.6205, 31.1678**.

A 20% lighter version of the original color is **56.6742, 60.9880, 21.6168**, and **11.7596, 12.8273, 1.8561** is the 20% darker color. If you saturate the color by 10%, you get **27.7138, 29.7146, 5.7734**, and if you desaturate by 10%, it is **29.4754, 32.0159, 10.1276**.

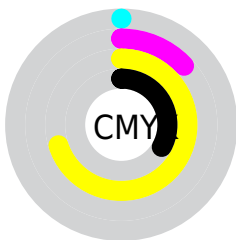
Distribution



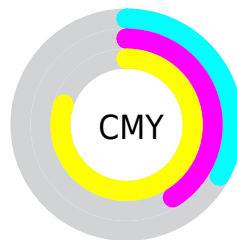
- Red (67%)
- Green (59%)
- Blue (20%)



- Red (31%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5171, 30.8224, 7.5783 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 28.5171, 30.8224, 7.5783 by changing the saturation by 10% instead.

■ 28.5171, 30.8224,
7.5783

■ 28.5171, 30.8224,
7.5783

286.9651,
305.7193, 182.1953

■ 18.8583, 20.4636,
3.7424

■ 56.7119, 60.9603,
21.6599

■ 11.6713, 12.7325,
1.4851

■ 75.9785, 81.5083,
32.7426

■ 6.5909, 7.2446,
0.2068

■ 99.1784, 106.2215,
47.0781

■ 3.2516, 3.6155,
0.0000

■ 126.6770,
135.4843, 65.0849

■ 1.2882, 1.4609,
0.0000

■ 158.8396,
169.6811, 87.1814

■ 0.1743, 0.2610,
0.0000

■ 196.0316,

■ 0.0000, 0.0000,

209.1962, 113.7863

0.0000

238.6183,
254.4142, 145.3181

■ 28.5171, 30.8224,
7.5783

■ 28.5171, 30.8224,
7.5783

■ 27.7138, 29.7146,
5.7734

■ 29.4754, 32.0159,
10.1276

■ 27.0469, 28.6812,
4.6247

■ 30.6006, 33.2965,
13.4926

■ 26.4987, 27.7419,
3.9581

■ 31.9057, 34.6706,
17.7383

■ 33.4018, 36.1429,
22.9225

■ 35.0991, 37.7177,
29.0983

■ 37.0068, 39.3987,
36.3148

■ 39.1339, 41.1897,
44.6175

■ 41.4886, 43.0941,
54.0496

■ 44.0787, 45.1152,
64.6518

Harmonies

Analogous

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



35.9357, 30.8224, 9.2236



28.5171, 30.8224, 7.5783



22.3724, 30.8224, 10.2078

Triad

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



28.5171, 30.8224, 7.5783



19.2253, 30.8224, 60.1764



43.3954, 30.8224, 54.6056

Complementary

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



28.5171, 30.8224, 7.5783



11.1941, 8.4472, 40.0697

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.



37.5177, 30.8224, 78.5082



28.5171, 30.8224, 7.5783



23.5287, 30.8224, 82.5405

Square

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



28.5171, 30.8224, 7.5783



17.5867, 30.8224, 35.8611



30.0885, 30.8224, 90.3347



45.3056, 30.8224, 31.3602

Rectangle

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



28.5171, 30.8224, 7.5783



19.5875, 30.8224, 15.0696



30.0885, 30.8224, 90.3347



41.7757, 30.8224, 63.0997

Sweetspot

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



28.5178, 30.8239, 7.5789



63.3413, 68.1233, 51.5500



19.4058, 11.6220, 7.5562



13.5819, 14.6368, 10.5277



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.



28.5178, 30.8239, 7.5789



49.6245, 52.9239, 9.2612



25.1312, 34.7861, 8.5222



8.5370, 9.0789, 8.5158



19.7562, 20.7180, 2.9577



0.5813, 0.6398, 0.0929

Inverse Universe

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



11.1941, 8.4472, 40.0697



16.4338, 10.1783, 71.9042



12.7808, 7.4861, 39.8006



7.6923, 7.9840, 10.0883



5.9413, 3.0165, 29.3136



0.1994, 0.1522, 0.8269

Previews

White Background



This preview shows how the XYZ color 28.5171, 30.8224, 7.5783 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 28.5171, 30.8224, 7.5783 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 28.5171, 30.8224, 7.5783

Background



This preview shows how black text looks on a background with the XYZ color 28.5171, 30.8224, 7.5783.



This preview shows how white text looks on a background with the XYZ color 28.5171, 30.8224,

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

28.5171, 30.8224, 7.5783

Protanopia

28.0263, 30.8072, 7.6012

Deuteranopia

31.2041, 30.5933, 7.6286



Tritanopia

33.7864, 30.6938, 33.4219

Trichromacy



Original Color

28.5171, 30.8224, 7.5783

Protanomaly

28.2417, 30.9183, 7.6113

Deuteranomaly

30.1901, 30.7508, 7.5931

Tritanomaly

31.1992, 30.5314, 20.4684

Monochromacy



Original Color

28.5171, 30.8224, 7.5783

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8205, 28.9837, 19.2197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5171, 30.8224, 7.5783 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(172, 150, 51)` looks like.

```
.text, #text, p{  
    color:rgb(172, 150, 51)  
}
```

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(172, 150, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 150, 51) }
```

Border

The CSS property to change the border of an element to XYZ 28.5171, 30.8224, 7.5783 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(172, 150, 51) }
```


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

```
.border{ border-color:rgb(172, 150, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 150, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 150, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 150, 51);  
box-shadow:4px 4px 4px 4px rgb(172, 150,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5171, 30.8224, 7.5783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 150, 51) }
```

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

```
.background{ background-color: rgb(172,  
150, 51) }
```

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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