

Converting Colors

XYZ(28.7336, 30.8736, 42.9729)

Have a look what the booklet for
XYZ(28.7336, 30.8736, 42.9729)
contains.

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Color

**XYZ(28.7336, 30.8736,
42.9729)**

Conversions

Conversions Part 1

Format	Color
Hex	8799AB
RGB	135, 153, 171
RGB Percent	53%, 60%, 67%
CMY	0.4706, 0.4000, 0.3294
CMYK	0.21, 0.11, 0.00, 0.33
HSL	210°, 18%, 60%
HSV	210°, 21%, 67%
XYZ	28.7336, 30.8736, 42.9729
YIQ	149.6700, -16.5060, 1.7820

Conversions

Conversions Part 2

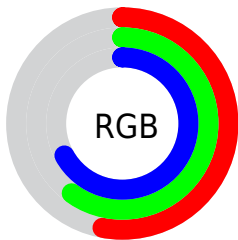
Format	Color
RYB	135, 147, 171
Decimal	8886699
CIELab	62.40, -2.36, -11.53
CIElCh	62, 11.769, 258.426
Yxy	30.8736, 0.2801, 0.3010
Android (android.graphics.Color)	4287076779 (0xFF8799AB)
YUV	149.6700, 10.5157, -12.8656
Hunter-Lab	55.5640, -4.9300, -6.9597

Details


The XYZ color **28.7336, 30.8736, 42.9729** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.5594, 33.1899, 27.6127**, and the grayscale version is **28.8123, 30.3128, 33.0106**.

A 20% lighter version of the original color is **57.0266, 60.9355, 80.7076**, and **11.8275, 12.7659, 19.2935** is the 20% darker color. If you saturate the color by 10%, you get **24.8508, 26.8693, 42.4051**, and if you desaturate by 10%, it is **33.1604, 35.3088, 43.5962**.

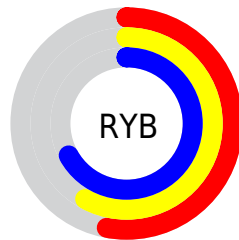
Distribution



 Red (53%)


 Green (60%)

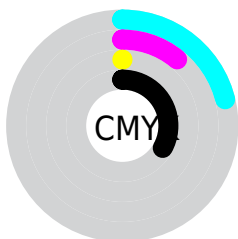
 Blue (67%)





 Red (53%)

 Yellow (58%)

 Blue (67%)

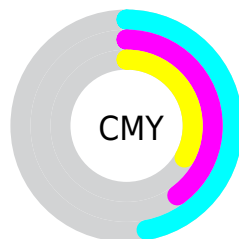



 Cyan (21%)


 Magenta (11%)

 Yellow (0%)

 Black (33%)



 Cyan (47%)

 Magenta (40%)

 Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7336, 30.8736, 42.9729 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 28.7336, 30.8736, 42.9729 by changing the saturation by 10% instead.

■ 28.7336, 30.8736,
42.9729

■ 28.7336, 30.8736,
42.9729

287.9729,
305.9556, 374.4182

■ 19.0227, 20.5026,
29.5326

■ 57.0541, 61.0410,
80.9559

■ 11.7908, 12.7609,
19.2351

■ 76.3943, 81.6062,
106.3357

■ 6.6725, 7.2641,
11.6617

■ 99.6750, 106.3383,
136.5323

■ 3.3027, 3.6278,
6.3940

127.2615,
135.6217, 171.9645

■ 1.3158, 1.4676,
3.0135

159.5192,
169.8407, 213.0506

■ 0.1950, 0.2658,
1.1015

196.8134,

■ 0.0000, 0.0000,

209.3797, 260.2092

0.0000

239.5095,
254.6232, 313.8589

■ 28.7336, 30.8736,
42.9729

■ 28.7336, 30.8736,
42.9729

■ 24.8508, 26.8693,
42.4051

■ 33.1604, 35.3088,
43.5962

■ 21.4862, 23.2770,
41.8891

■ 38.1502, 40.1853,
44.2744

■ 18.6156, 20.0820,
41.4237

■ 43.7243, 45.5179,
45.0099

■ 16.2120, 17.2670,
41.0070

■ 49.9020, 51.3192,
45.8041

■ 14.2454, 14.8131,
40.6370

■ 56.7019, 57.6016,
46.6583

■ 12.6816, 12.6991,
40.3114

■ 64.1415, 64.3768,
47.5740

■ 11.4809, 10.9008,
40.0276

■ 72.2377, 71.6563,
48.5523

■ 10.6394, 9.5175,
39.8049

■ 74.5524, 76.1235,
49.2926

■ 76.8729, 80.7645,
50.0661

Harmonies

Analogous

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



27.3566, 30.8736, 40.6221



28.7336, 30.8736, 42.9729



30.3242, 30.8736, 42.6537

Triad

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



28.7336, 30.8736, 42.9729



32.3504, 30.8736, 30.9163



27.1100, 30.8736, 28.1195

Complementary

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



28.7336, 30.8736, 42.9729



32.5594, 33.1899, 27.6127

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.



28.3860, 30.8736, 25.9548



28.7336, 30.8736, 42.9729



31.4263, 30.8736, 27.4658

Square

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



28.7336, 30.8736, 42.9729



32.4517, 30.8736, 35.4087



29.9639, 30.8736, 25.7268



26.4421, 30.8736, 31.8850

Rectangle

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



28.7336, 30.8736, 42.9729



31.2915, 30.8736, 40.9749



29.9639, 30.8736, 25.7268



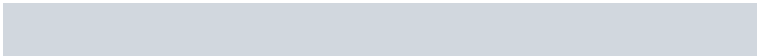
27.4799, 30.8736, 27.1958

Sweetspot

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



28.7345, 30.8749, 42.9736



63.6791, 67.4543, 78.6656



30.2556, 36.5575, 35.3402



14.0764, 14.9210, 17.5258



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.



28.7345, 30.8749, 42.9736



48.2907, 52.0523, 76.5038



26.0910, 25.5878, 42.0924



7.8973, 8.3940, 10.1567



8.0731, 7.2801, 30.0242



0.2794, 0.3121, 0.8535

Inverse Universe

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



31.2091, 28.2866, 33.9533



53.5363, 46.8199, 57.3257



35.6182, 39.3075, 28.6323



8.1660, 8.0796, 9.1849



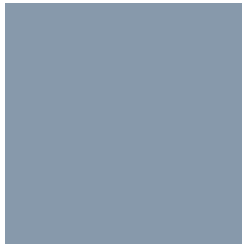
13.9386, 7.0380, 7.3220



0.4154, 0.2068, 0.3493

Previews

White Background



This preview shows how the XYZ color 28.7336, 30.8736, 42.9729 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 28.7336, 30.8736, 42.9729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

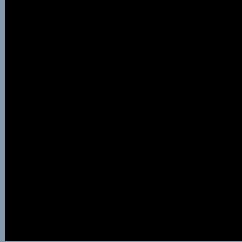
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

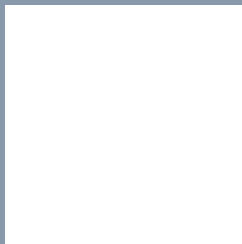
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7336, 30.8736, 42.9729

Background



This preview shows how black text looks on a background with the XYZ color 28.7336, 30.8736, 42.9729.



This preview shows how white text looks on a background with the XYZ color 28.7336, 30.8736,

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

28.7336, 30.8736, 42.9729

Protanopia

30.2805, 30.9732, 41.9186

Deuteranopia

31.3977, 30.8146, 43.3227



Tritanopia

28.2701, 30.9327, 40.5570

Trichromacy



Original Color

28.7336, 30.8736, 42.9729

Protanomaly

29.6500, 30.8751, 42.4270

Deuteranomaly

30.4066, 30.7693, 43.3662

Tritanomaly

28.4550, 31.0067, 41.5309

Monochromacy



Original Color

28.7336, 30.8736, 42.9729

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9152, 30.6216, 36.7343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7336, 30.8736, 42.9729 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(135, 153, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 153, 171)  
}
```

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(135, 153, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 153, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.7336, 30.8736, 42.9729 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(135, 153, 171) }
```


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

```
.border{ border-color:rgb(135, 153, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 153, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 153, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 153, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 153,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7336, 30.8736, 42.9729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 153, 171) }
```

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

```
.background{ background-color: rgb(135,  
153, 171) }
```

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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