

Converting Colors

XYZ(27.7678, 27.5979, 46.3755)

Have a look what the booklet for
XYZ(27.7678, 27.5979, 46.3755)
contains.

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Color

**XYZ(27.8149, 27.5387,
46.4973)**

Conversions

Conversions Part 1

Format	Color
Hex	888DB3
RGB	136, 141, 179
RGB Percent	53%, 55%, 70%
CMY	0.4667, 0.4470, 0.2980
CMYK	0.24, 0.21, 0.00, 0.30
HSL	233°, 22%, 62%
HSV	233°, 24%, 70%
XYZ	27.8149, 27.5387, 46.4973
YIQ	143.8370, -15.1780, 10.7580

Conversions

Conversions Part 2

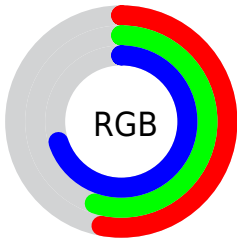
Format	Color
R _Y B	136, 140, 179
Decimal	8949171
CIE Lab	59.47, 6.66, -20.49
CIE LCh	59, 21.544, 288.000
Yxy	27.5387, 0.2731, 0.2704
Android (android.graphics.Color)	4287139251 (0xFF888DB3)
YUV	143.8370, 17.3354, -6.8730
Hunter-Lab	52.4773, 2.7762, -15.7995

Details

The XYZ color **27.8149, 27.5387, 46.4973** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.1707, 41.6334, 29.3175**, and the grayscale version is **26.3813, 27.7552, 30.2254**.

A 20% lighter version of the original color is **55.7457, 55.9755, 86.4635**, and **11.2533, 10.9198, 21.2533** is the 20% darker color. If you saturate the color by 10%, you get **22.9789, 21.8275, 45.6503**, and if you desaturate by 10%, it is **33.4713, 34.1686, 47.4793**.

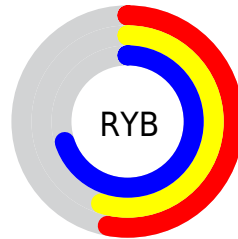
Distribution



Red (53%)

Green (55%)

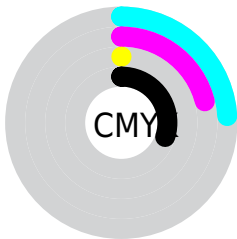
Blue (70%)



Red (53%)

Yellow (55%)

Blue (70%)

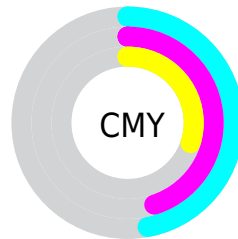


Cyan (24%)

Magenta (21%)

Yellow (0%)

Black (30%)



Cyan (47%)

Magenta (45%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8149, 27.5387, 46.4973 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 27.8149, 27.5387, 46.4973 by changing the saturation by 10% instead.

■ 27.8149, 27.5387,
46.4973

■ 27.8149, 27.5387,
46.4973

283.6775,
290.2560, 389.1399

■ 18.3259, 17.9782,
32.2869

■ 55.5995, 55.7471,
86.3049

■ 11.2853, 10.9343,
21.3141

■ 74.6258, 75.1638,
112.7392

■ 6.3278, 6.0227,
13.1603

■ 97.5620, 98.6347,
144.0852

■ 3.0880, 2.8589,
7.4070

124.7733,
126.5442, 180.7614

■ 1.2004, 1.0585,
3.6356

156.6252,
159.2767, 223.1865

■ 0.1067, 0.0000,
1.4277

193.4829,

■ 0.0000, 0.0000,

197.2166, 271.7789

0.1632

235.7119,
240.7482, 326.9572

■ 0.0000, 0.0000,
0.0000

■ 27.8149, 27.5387,
46.4973

■ 27.8149, 27.5387,
46.4973

■ 22.9789, 21.8275,
45.6503

■ 33.4713, 34.1686,
47.4793

■ 18.9225, 16.9913,
44.9306

■ 39.9812, 41.7520,
48.6000

■ 15.6054, 12.9875,
44.3326

■ 47.3788, 50.3258,
49.8650

■ 12.9826, 9.7688,
43.8496

■ 55.6960, 59.9239,
51.2792

■ 11.0041, 7.2830,
43.4740

■ 64.9628, 70.5788,
52.8474

■ 9.6130, 5.4715,
43.1977

■ 75.2081, 82.3213,
54.5740

■ 8.7422, 4.2664,
43.0110

■ 84.1025, 93.9661,
56.3529

■ 8.4016, 3.7844,
42.9359

■ 85.1368, 96.0347,
56.6976

Harmonies

Analogous

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



25.1083, 27.5387, 47.0400



27.8149, 27.5387, 46.4973



30.2328, 27.5387, 41.0956

Triad

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



27.8149, 27.5387, 46.4973



29.8110, 27.5387, 20.2227



21.4103, 27.5387, 26.9939

Complementary

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



27.8149, 27.5387, 46.4973



38.1707, 41.6334, 29.3175

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.



22.4971, 27.5387, 21.0825



27.8149, 27.5387, 46.4973



27.2709, 27.5387, 17.6486

Square

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



27.8149, 27.5387, 46.4973



31.4387, 27.5387, 25.6139



24.6003, 27.5387, 17.9336



21.5338, 27.5387, 34.8270

Rectangle

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



27.8149, 27.5387, 46.4973



31.2987, 27.5387, 35.9173



24.6003, 27.5387, 17.9336



21.6429, 27.5387, 24.7446

Sweetspot

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



27.8158, 27.5398, 46.4979



67.8269, 70.3837, 86.3917



33.9124, 40.5303, 46.0721



14.8721, 15.4132, 19.1134



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.



27.8158, 27.5398, 46.4979



44.9025, 43.5294, 82.4166



29.9811, 27.5859, 46.3927



8.1190, 8.3841, 10.6967



5.9628, 2.7259, 30.3489



0.2131, 0.1367, 0.9634

Inverse Universe

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



32.2030, 29.1159, 29.1232



54.2085, 46.9873, 45.5360



35.5701, 41.7539, 29.4779



8.5352, 8.5208, 9.0510



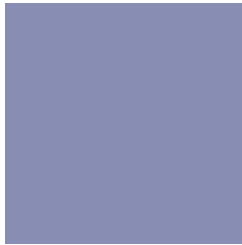
13.2444, 6.8153, 1.1810



0.4296, 0.2196, 0.1049

Previews

White Background



This preview shows how the XYZ color 27.8149, 27.5387, 46.4973 looks on a white background.

Color Contrast Check

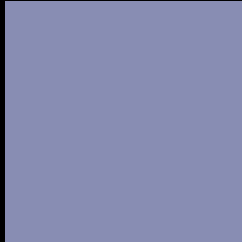
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8149, 27.5387, 46.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

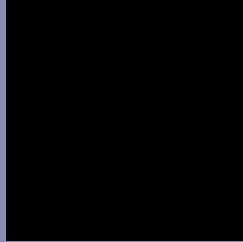
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8149, 27.5387, 46.4973

Background



This preview shows how black text looks on a background with the XYZ color 27.8149, 27.5387, 46.4973.



This preview shows how white text looks on a background with the XYZ color 27.8149, 27.5387,

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

27.8149, 27.5387, 46.4973

Protanopia

27.6412, 27.6690, 46.5316

Deuteranopia

27.9960, 27.4141, 46.4637



Tritanopia

25.7269, 27.5907, 35.8679

Trichromacy



Original Color

27.8149, 27.5387, 46.4973

Protanomaly

27.8014, 27.7516, 46.5391

Deuteranomaly

27.8313, 27.3292, 46.4560

Tritanomaly

26.4377, 27.6497, 39.5408

Monochromacy



Original Color

27.8149, 27.5387, 46.4973

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.8928, 27.7420, 35.8356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8149, 27.5387, 46.4973 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(136, 141, 179)` looks like.

```
.text, #text, p{  
    color:rgb(136, 141, 179)  
}
```

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(136, 141, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 141, 179) }
```

Border

The CSS property to change the border of an element to XYZ 27.8149, 27.5387, 46.4973 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(136, 141, 179) }
```


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

```
.border{ border-color:rgb(136, 141, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 141, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 141, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 141, 179);  
box-shadow:4px 4px 4px 4px rgb(136, 141,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8149, 27.5387, 46.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 141, 179) }
```

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

```
.background{ background-color: rgb(136,  
141, 179) }
```

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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