

Converting Colors

XYZ(27.1234, 27.8507, 43.6846)

Have a look what the booklet for
XYZ(27.1234, 27.8507, 43.6846)
contains.

XYZ(27.1890, 27.9502, 43.4971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.1890, 27.9502,
43.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	8590AD
RGB	133, 144, 173
RGB Percent	52%, 56%, 68%
CMY	0.4784, 0.4353, 0.3216
CMYK	0.23, 0.17, 0.00, 0.32
HSL	223°, 20%, 60%
HSV	223°, 23%, 68%
XYZ	27.1890, 27.9502, 43.4971
YIQ	144.0170, -15.8650, 6.6870

Conversions

Conversions Part 2

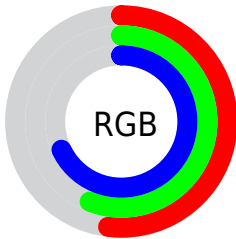
Format	Color
R _Y B	133, 142, 173
Decimal	8753325
CIE Lab	59.84, 2.54, -16.53
CIE LCh	60, 16.726, 278.722
Yxy	27.9502, 0.2756, 0.2834
Android (android.graphics.Color)	4286943405 (0xFF8590AD)
YUV	144.0170, 14.2886, -9.6619
Hunter-Lab	52.8679, -0.7197, -11.7733

Details

The XYZ color **27.1890, 27.9502, 43.4971** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.3880, 36.4187, 27.4082**, and the grayscale version is **26.4657, 27.8440, 30.3221**.

A 20% lighter version of the original color is **54.6912, 56.5544, 81.4323**, and **11.0212, 11.2249, 19.6749** is the 20% darker color. If you saturate the color by 10%, you get **22.8842, 23.0665, 42.7818**, and if you desaturate by 10%, it is **32.1565, 33.4902, 44.3051**.

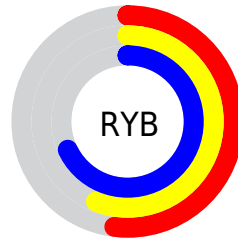
Distribution



Red (52%)

Green (56%)

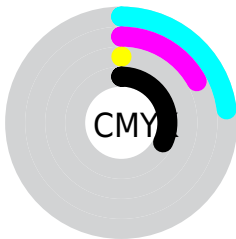
Blue (68%)



Red (52%)

Yellow (56%)

Blue (68%)

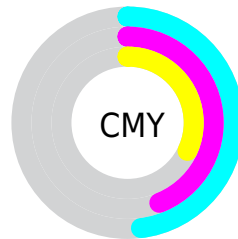


Cyan (23%)

Magenta (17%)

Yellow (0%)

Black (32%)



Cyan (48%)

Magenta (44%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1890, 27.9502, 43.4971 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 27.1890, 27.9502, 43.4971 by changing the saturation by 10% instead.

■ 27.1890, 27.9502,
43.4971

■ 27.1890, 27.9502,
43.4971

280.7220,
292.2289, 376.6332

■ 17.8525, 18.2881,
29.9411

■ 54.6048, 56.4049,
81.7549

■ 10.9432, 11.1570,
19.5422

■ 73.4148, 75.9664,
107.2936

■ 6.0957, 6.1726,
11.8819

■ 96.1133, 99.5964,
137.6638

■ 2.9446, 2.9503,
6.5418

123.0658,
127.6794, 173.2838

■ 1.1245, 1.1058,
3.1032

154.6375,
160.5997, 214.5722

■ 0.0455, 0.0000,
1.1475

191.1939,

■ 0.0000, 0.0000,

198.7418, 261.9475

0.0000

233.1003,
242.4901, 315.8284

■ 27.1890, 27.9502,
43.4971

■ 27.1890, 27.9502,
43.4971

■ 22.8842, 23.0665,
42.7818

■ 32.1565, 33.4902,
44.3051

■ 19.2106, 18.8106,
42.1539

■ 37.8111, 39.7069,
45.2070

■ 16.1379, 15.1569,
41.6107

■ 44.1792, 46.6237,
46.2064

■ 13.6324, 12.0765,
41.1481

■ 51.2849, 54.2620,
47.3063

■ 11.6566, 9.5381,
40.7623

■ 59.1514, 62.6424,
48.5092

■ 10.1681, 7.5069,
40.4487

■ 67.8005, 71.7844,
49.8180

■ 9.1174, 5.9432,
40.2023

■ 77.2535, 81.7070,
51.2350

■ 8.5828, 5.0968,
40.0671

■ 81.2360, 89.1834,
52.4682

■ 84.5429, 95.7972,
53.5705

Harmonies

Analogous

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



25.1134, 27.9502, 42.6637



27.1890, 27.9502, 43.4971



29.1991, 27.9502, 40.4837

Triad

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



27.1890, 27.9502, 43.4971



29.8759, 27.9502, 23.6967



22.9444, 27.9502, 26.3888

Complementary

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



27.1890, 27.9502, 43.4971



34.3880, 36.4187, 27.4082

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.



24.0958, 27.9502, 22.2008



27.1890, 27.9502, 43.4971



28.0732, 27.9502, 20.7964

Square

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



27.1890, 27.9502, 43.4971



30.8036, 27.9502, 28.6962



25.9522, 27.9502, 20.2878



22.7357, 27.9502, 32.2385

Rectangle

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



27.1890, 27.9502, 43.4971



30.2055, 27.9502, 36.9078



25.9522, 27.9502, 20.2878



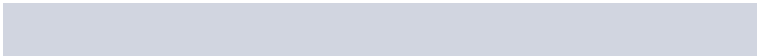
23.2310, 27.9502, 24.7636

Sweetspot

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



27.1899, 27.9513, 43.4977



63.5136, 66.5086, 80.2957



31.1091, 37.4711, 39.6209



13.6774, 14.3160, 17.4301



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.



27.1899, 27.9513, 43.4977



44.4113, 45.2192, 77.1932



27.0293, 25.5144, 43.0358



7.7515, 8.1024, 10.1081



6.3474, 3.8286, 29.4490



0.2227, 0.1987, 0.8346

Inverse Universe

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



30.6559, 27.6738, 30.1126



51.8303, 44.8485, 48.4923



34.5566, 39.5092, 27.9959



8.0924, 8.0502, 8.7973



13.0675, 6.6895, 2.7350



0.3868, 0.1954, 0.1986

Previews

White Background



This preview shows how the XYZ color 27.1890, 27.9502, 43.4971 looks on a white background.

Color Contrast Check

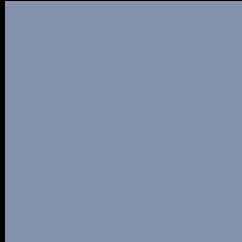
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1890, 27.9502, 43.4971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

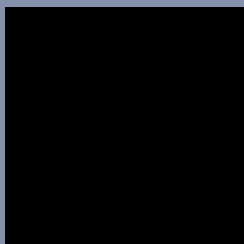
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

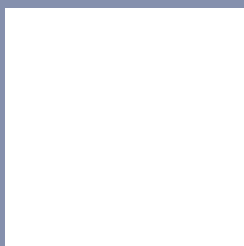
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1890, 27.9502, 43.4971

Background



This preview shows how black text looks on a background with the XYZ color 27.1890, 27.9502, 43.4971.



This preview shows how white text looks on a background with the XYZ color 27.1890, 27.9502,

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

27.1890, 27.9502, 43.4971

Protanopia

27.7501, 28.0268, 42.9768

Deuteranopia

28.4926, 27.9454, 43.9367



Tritanopia

25.8112, 28.0819, 36.4077

Trichromacy



Original Color

27.1890, 27.9502, 43.4971

Protanomaly

27.4222, 27.8577, 42.9615

Deuteranomaly

27.9604, 27.8910, 43.9542

Tritanomaly

26.2498, 28.0274, 38.6766

Monochromacy



Original Color

27.1890, 27.9502, 43.4971

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.7049, 27.8885, 34.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1890, 27.9502, 43.4971 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(133, 144, 173)` looks like.

```
.text, #text, p{  
    color:rgb(133, 144, 173)  
}
```

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(133, 144, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 144, 173) }
```

Border

The CSS property to change the border of an element to XYZ 27.1890, 27.9502, 43.4971 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(133, 144, 173) }
```


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

```
.border{ border-color:rgb(133, 144, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 144, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 144, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 144, 173);  
box-shadow:4px 4px 4px 4px rgb(133, 144,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1890, 27.9502, 43.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 144, 173) }
```

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

```
.background{ background-color: rgb(133,  
144, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor