

Converting Colors

XYZ(27.9853, 29.7222, 47.3226)

Have a look what the booklet for
XYZ(27.9853, 29.7222, 47.3226)
contains.

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Color

**XYZ(28.0467, 29.6972,
47.4339)**

Conversions

Conversions Part 1

Format	Color
Hex	8096B4
RGB	128, 150, 180
RGB Percent	50%, 59%, 71%
CMY	0.4980, 0.4118, 0.2941
CMYK	0.29, 0.17, 0.00, 0.29
HSL	215°, 26%, 60%
HSV	215°, 29%, 71%
XYZ	28.0467, 29.6972, 47.4339
YIQ	146.8420, -22.7420, 4.6660

Conversions

Conversions Part 2

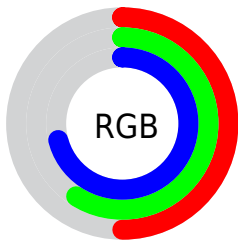
Format	Color
RYB	128, 143, 180
Decimal	8427188
CIELab	61.39, -0.71, -18.18
CIELCh	61, 18.193, 267.767
Yxy	29.6972, 0.2667, 0.2824
Android (android.graphics.Color)	4286617268 (0xFF8096B4)
YUV	146.8420, 16.3469, -16.5244
Hunter-Lab	54.4951, -3.4989, -13.4609

Details

The XYZ color **28.0467, 29.6972, 47.4339** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.9460, 35.7159, 25.4750**, and the grayscale version is **27.6101, 29.0479, 31.6332**.

A 20% lighter version of the original color is **56.0246, 59.1869, 87.8283**, and **11.3532, 12.0338, 21.8030** is the 20% darker color. If you saturate the color by 10%, you get **23.9915, 25.2554, 46.7908**, and if you desaturate by 10%, it is **32.7309, 34.6827, 48.1498**.

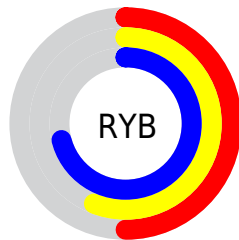
Distribution



Red (50%)

Green (59%)

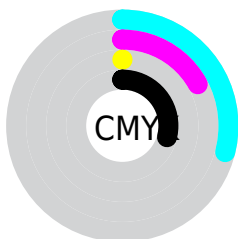
Blue (71%)



Red (50%)

Yellow (56%)

Blue (71%)

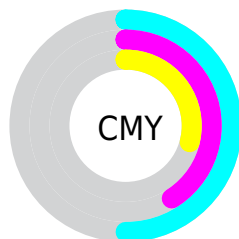


Cyan (29%)

Magenta (17%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (41%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0467, 29.6972, 47.4339 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 28.0467, 29.6972, 47.4339 by changing the saturation by 10% instead.

■ 28.0467, 29.6972,
47.4339

■ 28.0467, 29.6972,
47.4339

284.7660,
300.4905, 392.9876

■ 18.5015, 19.6089,
33.0220

■ 55.9671, 59.1830,
87.7177

■ 11.4125, 12.1111,
21.8720

■ 75.0730, 79.3492,
114.4267

■ 6.4143, 6.8194,
13.5655

■ 98.0966, 103.6436,
146.0717

■ 3.1417, 3.3494,
7.6838

125.4031,
132.4504, 183.0715

■ 1.2291, 1.3167,
3.8084

157.3579,
166.1541, 225.8444

■ 0.1292, 0.1541,
1.5209

194.3265,

■ 0.0000, 0.0000,

205.1391, 274.8090

0.2334

236.6741,
249.7898, 330.3839

■ 0.0000, 0.0000,
0.0000

■ 28.0467, 29.6972,
47.4339

■ 28.0467, 29.6972,
47.4339

■ 23.9915, 25.2554,
46.7908

■ 32.7309, 34.6827,
48.1498

■ 20.5334, 21.3331,
46.2160

■ 38.0686, 40.2278,
48.9388

■ 17.6415, 17.9093,
45.7075

■ 44.0860, 46.3520,
49.8037

■ 15.2811, 14.9598,
45.2626

■ 50.8074, 53.0728,
50.7467

■ 13.4130, 12.4580,
44.8782

■ 58.2555, 60.4069,
51.7698

■ 11.9918, 10.3739,
44.5508

■ 66.4522, 68.3703,
52.8749

■ 10.9392, 8.6599,
44.2755

■ 75.4184, 76.9783,
54.0638

■ 10.8336, 8.4860,
44.2475

■ 78.6392, 82.8770,
55.0326

■ 81.6673, 88.9333,
56.0420

Harmonies

Analogous

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



25.8340, 29.6972, 44.8631



28.0467, 29.6972, 47.4339



30.4329, 29.6972, 45.5073

Triad

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



28.0467, 29.6972, 47.4339



32.5132, 29.6972, 26.5565



24.4972, 29.6972, 25.7813

Complementary

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



28.0467, 29.6972, 47.4339



34.9460, 35.7159, 25.4750

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.



26.1290, 29.6972, 21.9870



28.0467, 29.6972, 47.4339



30.7619, 29.6972, 22.3880

Square

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



28.0467, 29.6972, 47.4339



33.0971, 29.6972, 32.8534



28.4067, 29.6972, 20.8378



23.8585, 29.6972, 31.8225

Rectangle

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



28.0467, 29.6972, 47.4339



31.7857, 29.6972, 42.0650



28.4067, 29.6972, 20.8378



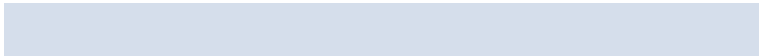
24.9431, 29.6972, 24.2349

Sweetspot

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



28.0476, 29.6984, 47.4346



68.7522, 72.6595, 88.6957



31.3498, 39.6826, 38.1156



14.5441, 15.3792, 19.1242



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.



28.0476, 29.6984, 47.4346



45.7977, 48.3364, 85.2107



25.3908, 23.5972, 46.3970



8.3276, 8.8015, 10.7663



7.6248, 6.0500, 30.9029



0.2982, 0.3069, 0.9918

Inverse Universe

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



32.0474, 27.3446, 32.4444



54.4313, 43.8078, 52.7301



38.2435, 43.4940, 26.8026



8.6406, 8.5629, 9.6057



14.0833, 7.1509, 5.5987



0.4725, 0.2368, 0.3310

Previews

White Background



This preview shows how the XYZ color 28.0467, 29.6972, 47.4339 looks on a white background.

Color Contrast Check

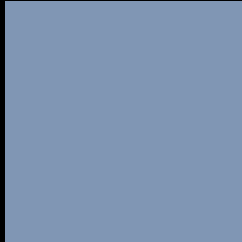
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0467, 29.6972, 47.4339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

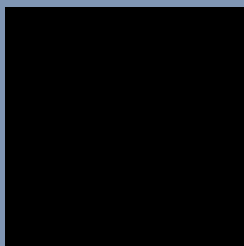
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

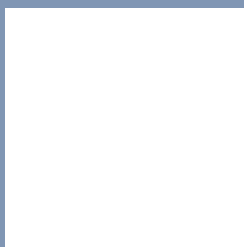
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0467, 29.6972, 47.4339

Background



This preview shows how black text looks on a background with the XYZ color 28.0467, 29.6972, 47.4339.

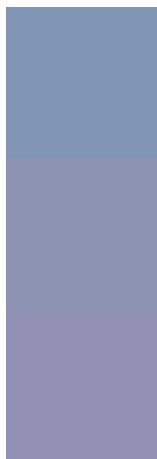


This preview shows how white text looks on a background with the XYZ color 28.0467, 29.6972,

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

28.0467, 29.6972, 47.4339

Protanopia

29.4541, 29.7445, 46.3083

Deuteranopia

30.3199, 29.6980, 47.8503



Tritanopia

26.6402, 29.8591, 39.9566

Trichromacy



Original Color

28.0467, 29.6972, 47.4339

Protanomaly

28.8799, 29.6687, 46.8523

Deuteranomaly

29.4217, 29.6926, 47.8966

Tritanomaly

27.0881, 29.7944, 42.3534

Monochromacy



Original Color

28.0467, 29.6972, 47.4339

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6631, 29.2585, 36.9903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0467, 29.6972, 47.4339 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(128, 150, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 150, 180)  
}
```

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(128, 150, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 150, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.0467, 29.6972, 47.4339 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(128, 150, 180) }
```


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

```
.border{ border-color:rgb(128, 150, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 150, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 150, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 150, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 150,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0467, 29.6972, 47.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 150, 180) }
```

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

```
.background{ background-color: rgb(128,  
150, 180) }
```

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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