

Converting Colors

XYZ(28.1023, 29.0797, 49.2648)

Have a look what the booklet for
XYZ(28.1023, 29.0797, 49.2648)
contains.

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Color

**XYZ(28.1387, 28.9953,
49.4610)**

Conversions

Conversions Part 1

Format	Color
Hex	8193B8
RGB	129, 147, 184
RGB Percent	51%, 58%, 72%
CMY	0.4941, 0.4235, 0.2784
CMYK	0.30, 0.20, 0.00, 0.28
HSL	220°, 28%, 61%
HSV	220°, 30%, 72%
XYZ	28.1387, 28.9953, 49.4610
YIQ	145.8360, -22.6050, 7.6910

Conversions

Conversions Part 2

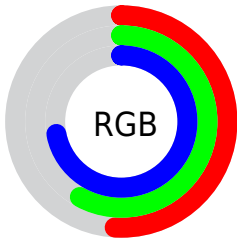
Format	Color
R_{YB}	129, 143, 184
Decimal	8491960
CIE _{Lab}	60.78, 2.30, -21.37
CIE _{LCh}	61, 21.493, 276.153
Yxy	28.9953, 0.2640, 0.2720
Android (android.graphics.Color)	4286682040 (0xFF8193B8)
YUV	145.8360, 18.8149, -14.7652
Hunter-Lab	53.8473, -0.9549, -16.7673

Details

The XYZ color **28.1387, 28.9953, 49.4610** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.3662, 39.0479, 26.3373**, and the grayscale version is **27.1873, 28.6032, 31.1488**.

A 20% lighter version of the original color is **56.1433, 58.1318, 90.6996**, and **11.5133, 11.8078, 23.1450** is the 20% darker color. If you saturate the color by 10%, you get **23.7692, 24.0381, 48.7350**, and if you desaturate by 10%, it is **33.2205, 34.6285, 50.2810**.

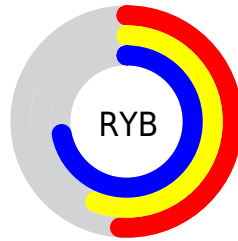
Distribution



Red (51%)

Green (58%)

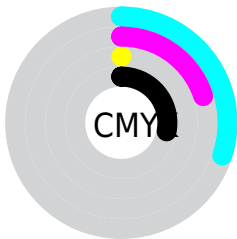
Blue (72%)



Red (51%)

Yellow (56%)

Blue (72%)

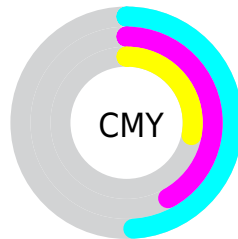


Cyan (30%)

Magenta (20%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (42%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1387, 28.9953, 49.4610 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 28.1387, 28.9953, 49.4610 by changing the saturation by 10% instead.

■ 28.1387, 28.9953,
49.4610

■ 28.1387, 28.9953,
49.4610

285.1972,
297.1928, 401.2289

■ 18.5712, 19.0773,
34.6171

■ 56.1129, 58.0696,
90.7638

■ 11.4630, 11.7261,
23.0869

■ 75.2503, 77.9947,
118.0599

■ 6.4488, 6.5575,
14.4518

■ 98.3085, 102.0242,
150.3437

■ 3.1631, 3.1869,
8.2932

125.6527,
130.5426, 188.0339

■ 1.2406, 1.2301,
4.1927

157.6483,
163.9343, 231.5490

■ 0.1380, 0.0861,
1.7316

194.6607,

■ 0.0000, 0.0000,

202.5836, 281.3074

0.3823

237.0552,
246.8750, 337.7279

■ 0.0000, 0.0000,
0.0000

■ 28.1387, 28.9953,
49.4610

■ 28.1387, 28.9953,
49.4610

■ 23.7692, 24.0381,
48.7350

■ 33.2205, 34.6285,
50.2810

■ 20.0756, 19.7264,
48.0974

■ 39.0430, 40.9597,
51.1961

■ 17.0225, 16.0325,
47.5453

■ 45.6364, 48.0138,
52.2102

■ 14.5698, 12.9249,
47.0748

■ 53.0285, 55.8138,
53.3262

■ 12.6723, 10.3691,
46.6814

■ 61.2454, 64.3813,
54.5468

■ 11.2779, 8.3257,
46.3605

■ 70.3124, 73.7372,
55.8748

■ 10.2891, 6.7314,
46.1049

■ 79.2145, 83.3660,
57.2641

■ 10.2794, 6.7159,
46.1024

■ 82.8554, 90.6478,
58.4777

■ 85.6518, 96.2407,
59.4099

Harmonies

Analogous

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



25.4448, 28.9953, 47.8279



28.1387, 28.9953, 49.4610



30.8498, 28.9953, 45.6866

Triad

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



28.1387, 28.9953, 49.4610



32.1260, 28.9953, 23.3402



22.9340, 28.9953, 25.7530

Complementary

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



28.1387, 28.9953, 49.4610



37.3662, 39.0479, 26.3373

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.



24.5113, 28.9953, 20.7109



28.1387, 28.9953, 49.4610



29.7875, 28.9953, 19.4913

Square

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



28.1387, 28.9953, 49.4610



33.2498, 28.9953, 29.9512



26.9876, 28.9953, 18.6171



22.5579, 28.9953, 33.2481

Rectangle

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



28.1387, 28.9953, 49.4610



32.2635, 28.9953, 40.9339



26.9876, 28.9953, 18.6171



23.3359, 28.9953, 23.7571

Sweetspot

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



28.1396, 28.9964, 49.4617



71.6111, 75.1505, 92.9358



33.0468, 41.6897, 42.2221



15.0869, 15.8224, 19.9805



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1396, 28.9964, 49.4617



45.5542, 46.3987, 88.7595



27.0115, 24.5795, 48.6686



8.7548, 9.1868, 11.3912



7.1426, 4.7450, 31.7925



0.3098, 0.2834, 1.1401

Inverse Universe

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



32.8846, 27.9982, 31.2760



55.6990, 44.7520, 49.7695



38.7453, 44.9612, 27.4059



9.1226, 9.0594, 9.9928



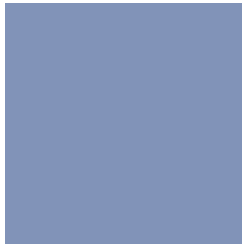
14.2190, 7.2613, 3.7738



0.5306, 0.2677, 0.2873

Previews

White Background



This preview shows how the XYZ color 28.1387, 28.9953, 49.4610 looks on a white background.

Color Contrast Check

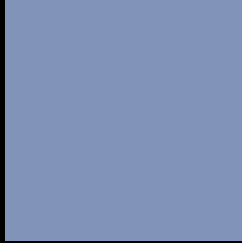
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1387, 28.9953, 49.4610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

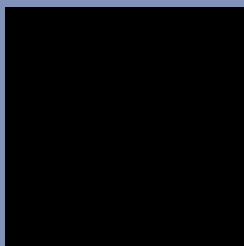
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1387, 28.9953, 49.4610

Background



This preview shows how black text looks on a background with the XYZ color 28.1387, 28.9953, 49.4610.



This preview shows how white text looks on a background with the XYZ color 28.1387, 28.9953,

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

28.1387, 28.9953, 49.4610

Protanopia

28.8854, 28.9466, 48.3208

Deuteranopia

29.7147, 29.1120, 49.9520



Tritanopia

25.9896, 29.0626, 38.8902

Trichromacy



Original Color

28.1387, 28.9953, 49.4610

Protanomaly

28.6576, 29.0450, 48.8956

Deuteranomaly

29.1989, 29.0719, 49.9714

Tritanomaly

26.8612, 29.1886, 42.7463

Monochromacy



Original Color

28.1387, 28.9953, 49.4610

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4393, 28.6713, 37.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1387, 28.9953, 49.4610 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(129, 147, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 147, 184)  
}
```

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(129, 147, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 147, 184) }
```

Border

The CSS property to change the border of an element to XYZ 28.1387, 28.9953, 49.4610 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(129, 147, 184) }
```


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

```
.border{ border-color:rgb(129, 147, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 147, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 147, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 147, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 147,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1387, 28.9953, 49.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 147, 184) }
```

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

```
.background{ background-color: rgb(129,  
147, 184) }
```

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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