

Converting Colors

XYZ(29.1409, 29.8866, 51.1936)

Have a look what the booklet for
XYZ(29.1409, 29.8866, 51.1936)
contains.

XYZ(29.2328, 29.9883, 51.2613)	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(29.2328, 29.9883,
51.2613)**

Conversions

Conversions Part 1

Format	Color
Hex	8495BB
RGB	132, 149, 187
RGB Percent	52%, 58%, 73%
CMY	0.4823, 0.4157, 0.2667
CMYK	0.29, 0.20, 0.00, 0.27
HSL	221°, 29%, 63%
HSV	221°, 29%, 73%
XYZ	29.2328, 29.9883, 51.2613
YIQ	148.2490, -22.3300, 8.2140

Conversions

Conversions Part 2

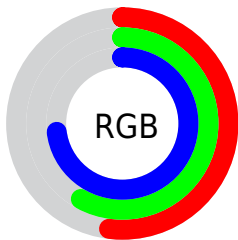
Format	Color
RYB	132, 145, 187
Decimal	8689083
CIELab	61.64, 2.83, -21.72
CIElCh	62, 21.902, 277.430
Yxy	29.9883, 0.2646, 0.2714
Android (android.graphics.Color)	4286879163 (0xFF8495BB)
YUV	148.2490, 19.1042, -14.2504
Hunter-Lab	54.7616, -0.5460, -17.1672

Details

The XYZ color **29.2328, 29.9883, 51.2613** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.0335, 40.9805, 27.6834**, and the grayscale version is **28.1824, 29.6501, 32.2889**.

A 20% lighter version of the original color is **57.7833, 59.6220, 93.2567**, and **12.0641, 12.2059, 24.2744** is the 20% darker color. If you saturate the color by 10%, you get **24.6347, 24.7505, 50.4932**, and if you desaturate by 10%, it is **34.5838, 35.9522, 52.1309**.

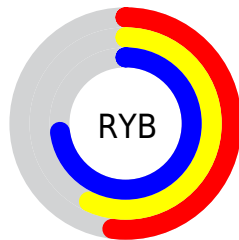
Distribution



Red (52%)

Green (58%)

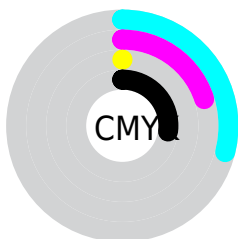
Blue (73%)



Red (52%)

Yellow (57%)

Blue (73%)

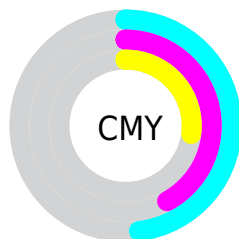


Cyan (29%)

Magenta (20%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (42%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2328, 29.9883, 51.2613 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 29.2328, 29.9883, 51.2613 by changing the saturation by 10% instead.

■ 29.2328, 29.9883,
51.2613

■ 29.2328, 29.9883,
51.2613

290.2862,
301.8499, 408.4536

■ 19.4022, 19.8297,
36.0384

■ 57.8418, 59.6437,
93.4564

■ 12.0670, 12.2713,
24.1740

■ 77.3508, 79.9092,
121.2656

■ 6.8618, 6.9287,
15.2493

■ 100.8167,
104.3126, 154.1074

■ 3.4214, 3.4176,
8.8460

128.6048,
133.2381, 192.4003

■ 1.3803, 1.3534,
4.5454

161.0804,
167.0702, 236.5629

■ 0.2421, 0.1820,
1.9291

198.6090,

■ 0.0000, 0.0000,

206.1933, 287.0136

0.5111

241.5558,
250.9917, 344.1710

■ 0.0000, 0.0000,
0.0000

■ 29.2328, 29.9883,
51.2613

■ 29.2328, 29.9883,
51.2613

■ 24.6347, 24.7505,
50.4932

■ 34.5838, 35.9522,
52.1309

■ 20.7511, 20.2061,
49.8207

■ 40.7178, 42.6661,
53.1036

■ 17.5448, 16.3250,
49.2406

■ 47.6665, 50.1572,
54.1832

■ 14.9734, 13.0732,
48.7484

■ 55.4593, 58.4500,
55.3732

■ 12.9895, 10.4132,
48.3396

■ 64.1239, 67.5680,
56.6765

■ 11.5384, 8.3030,
48.0087

■ 73.6867, 77.5339,
58.0961

■ 10.5252, 6.6784,
47.7486

■ 81.2055, 86.8393,
59.4959

■ 10.4729, 6.5943,
47.7351

■ 85.1335, 94.6954,
60.8052

■ 85.9697, 96.3679,
61.0840

Harmonies

Analogous

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



26.4088, 29.9883, 49.7993



29.2328, 29.9883, 51.2613



32.0412, 29.9883, 47.1034

Triad

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



29.2328, 29.9883, 51.2613



33.1815, 29.9883, 23.8480



23.6416, 29.9883, 26.8794

Complementary

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



29.2328, 29.9883, 51.2613



39.0335, 40.9805, 27.6834

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.



25.2353, 29.9883, 21.5077



29.2328, 29.9883, 51.2613



30.7051, 29.9883, 19.9765

Square

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



29.2328, 29.9883, 51.2613



34.4197, 29.9883, 30.6231



27.7854, 29.9883, 19.1993



23.3064, 29.9883, 34.7689

Rectangle

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



29.2328, 29.9883, 51.2613



33.4837, 29.9883, 42.0615



27.7854, 29.9883, 19.1993



24.0424, 29.9883, 24.7624

Sweetspot

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



29.2338, 29.9895, 51.2620



73.2357, 76.7519, 95.1561



34.5031, 43.3334, 44.3702



15.7526, 16.4943, 20.8960



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.2338, 29.9895, 51.2620



47.1319, 47.7851, 90.9407



28.3913, 25.8494, 50.5073



9.2506, 9.6936, 12.0557



7.2731, 4.6579, 32.9086



0.3447, 0.3022, 1.3090

Inverse Universe

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



34.1704, 29.2381, 32.2776



57.4565, 46.6392, 51.1409



40.0483, 46.5445, 28.7039



9.6484, 9.5836, 10.5373



14.6719, 7.4999, 3.5658



0.6049, 0.3059, 0.2988

Previews

White Background



This preview shows how the XYZ color 29.2328, 29.9883, 51.2613 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 29.2328, 29.9883, 51.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

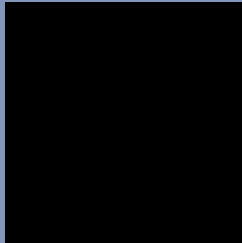
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

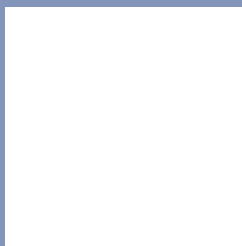
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2328, 29.9883, 51.2613

Background



This preview shows how black text looks on a background with the XYZ color 29.2328, 29.9883, 51.2613.



This preview shows how white text looks on a background with the XYZ color 29.2328, 29.9883,

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

29.2328, 29.9883, 51.2613

Protanopia

29.9441, 29.9016, 50.6477

Deuteranopia

30.6837, 30.0282, 51.7558



Tritanopia

26.9352, 30.0111, 39.9704

Trichromacy



Original Color

29.2328, 29.9883, 51.2613

Protanomaly

29.6062, 29.9592, 50.6767

Deuteranomaly

30.1583, 29.9872, 51.7756

Tritanomaly

27.8243, 30.1407, 43.8864

Monochromacy



Original Color

29.2328, 29.9883, 51.2613

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2668, 29.5392, 38.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2328, 29.9883, 51.2613 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(132, 149, 187)` looks like.

```
.text, #text, p{  
    color:rgb(132, 149, 187)  
}
```

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(132, 149, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 149, 187) }
```

Border

The CSS property to change the border of an element to XYZ 29.2328, 29.9883, 51.2613 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(132, 149, 187) }
```


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

```
.border{ border-color:rgb(132, 149, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 149, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 149, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 149, 187); box-shadow:4px 4px 4px 4px rgb(132, 149, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2328, 29.9883, 51.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 149, 187) }
```

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

```
.background{ background-color: rgb(132,  
149, 187) }
```

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