

Converting Colors

XYZ(29.9080, 30.0105, 55.2555)

Have a look what the booklet for
XYZ(29.9080, 30.0105, 55.2555)
contains.

XYZ(29.8432, 29.9804, 55.2528)	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(29.8432, 29.9804,
55.2528)**

Conversions

Conversions Part 1

Format	Color
Hex	8494C2
RGB	132, 148, 194
RGB Percent	52%, 58%, 76%
CMY	0.4823, 0.4196, 0.2392
CMYK	0.32, 0.24, 0.00, 0.24
HSL	225°, 34%, 64%
HSV	225°, 32%, 76%
XYZ	29.8432, 29.9804, 55.2528
YIQ	148.4600, -24.3020, 10.9140

Conversions

Conversions Part 2

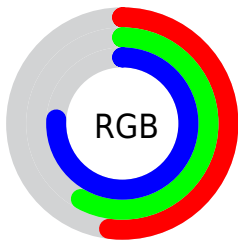
Format	Color
R_{YB}	132, 145, 194
Decimal	8688834
CIE Lab	61.64, 5.19, -25.67
CIE LCh	62, 26.188, 281.441
Yxy	29.9804, 0.2593, 0.2605
Android (android.graphics.Color)	4286878914 (0xFF8494C2)
YUV	148.4600, 22.4512, -14.4354
Hunter-Lab	54.7544, 1.4691, -21.5017

Details

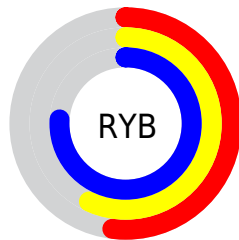
The XYZ color **29.8432, 29.9804, 55.2528** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.3338, 44.9764, 28.2808**, and the grayscale version is **28.2576, 29.7292, 32.3751**.

A 20% lighter version of the original color is **58.7828, 59.6452, 99.6813**, and **12.4096, 12.3343, 26.5376** is the 20% darker color. If you saturate the color by 10%, you get **24.9680, 24.3220, 54.4181**, and if you desaturate by 10%, it is **35.5653, 36.4935, 56.2089**.

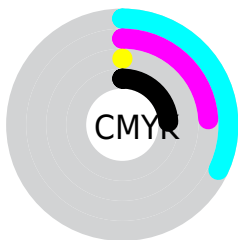
Distribution



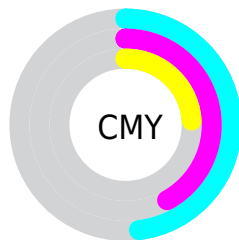
- Red (52%)
- Green (58%)
- Blue (76%)



- Red (52%)
- Yellow (57%)
- Blue (76%)



- Cyan (32%)
- Magenta (24%)
- Yellow (0%)
- Black (24%)



- Cyan (48%)
- Magenta (42%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8432, 29.9804, 55.2528 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 29.8432, 29.9804, 55.2528 by changing the saturation by 10% instead.

■ 29.8432, 29.9804,
55.2528

■ 29.8432, 29.9804,
55.2528

293.0958,
301.8131, 424.1784

■ 19.8671, 19.8237,
39.2042

■ 58.8025, 59.6312,
99.3861

■ 12.4062, 12.2670,
26.6096

■ 78.5163, 79.8941,
128.3079

■ 7.0951, 6.9258,
17.0504

■ 102.2068,
104.2945, 162.3578

■ 3.5685, 3.4157,
10.1081

130.2392,
133.2168, 201.9544

■ 1.4610, 1.3524,
5.3641

162.9790,
167.0454, 247.5162

■ 0.2991, 0.1813,
2.4000

200.7914,

■ 0.0000, 0.0000,

206.1647, 299.4618

0.7864

244.0419,
250.9592, 358.2097

■ 0.0000, 0.0000,
0.0000

■ 29.8432, 29.9804,
55.2528

■ 29.8432, 29.9804,
55.2528

■ 24.9680, 24.3220,
54.4181

■ 35.5653, 36.4935,
56.2089

■ 20.8950, 19.4780,
53.6978

■ 42.1700, 43.8921,
57.2889

■ 17.5801, 15.4102,
53.0873

■ 49.6943, 52.2098,
58.4978

■ 14.9732, 12.0756,
52.5811

■ 58.1725, 61.4774,
59.8397

■ 13.0179, 9.4263,
52.1728

■ 67.6370, 71.7240,
61.3187

■ 11.6479, 7.4083,
51.8555

■ 78.1184, 82.9778,
62.9385

■ 10.8812, 6.1821,
51.6592

■ 84.7781, 92.7559,
64.4748

■ 86.7377, 96.6751,
65.1280

Harmonies

Analogous

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



26.4189, 29.9804, 54.3831



29.8432, 29.9804, 55.2528



33.1564, 29.9804, 49.2151

Triad

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



29.8432, 29.9804, 55.2528



33.8103, 29.9804, 21.5341



22.6124, 29.9804, 26.9175

Complementary

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



29.8432, 29.9804, 55.2528



42.3338, 44.9764, 28.2808

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.



24.2932, 29.9804, 20.2847



29.8432, 29.9804, 55.2528



30.6781, 29.9804, 17.6411

Square

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



29.8432, 29.9804, 55.2528



35.5681, 29.9804, 28.9886



27.1889, 29.9804, 17.2359



22.4287, 29.9804, 36.5935

Rectangle

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



29.8432, 29.9804, 55.2528



34.7844, 29.9804, 42.6860



27.1889, 29.9804, 17.2359



23.0143, 29.9804, 24.3143

Sweetspot

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



29.8442, 29.9816, 55.2535



78.7286, 82.1075, 104.1687



36.7906, 46.6827, 48.9115



16.8335, 17.5283, 22.7460



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.8442, 29.9816, 55.2535



48.0333, 47.3371, 99.0751



29.9269, 26.5523, 54.5872



9.7349, 10.1612, 12.7330



7.2111, 4.1788, 33.9831



0.3695, 0.2964, 1.4876

Inverse Universe

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



35.8455, 30.1109, 31.9409



60.6527, 48.0786, 49.9485



42.1712, 49.8975, 29.2392



10.1775, 10.1196, 11.0253



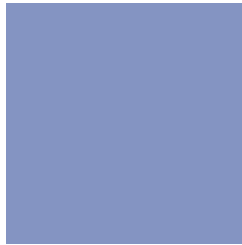
15.0358, 7.7041, 2.8348



0.6789, 0.3446, 0.2764

Previews

White Background



This preview shows how the XYZ color 29.8432, 29.9804, 55.2528 looks on a white background.

Color Contrast Check

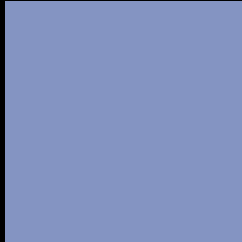
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8432, 29.9804, 55.2528 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 29.8432, 29.9804, 55.2528

Background



This preview shows how black text looks on a background with the XYZ color 29.8432, 29.9804, 55.2528.



This preview shows how white text looks on a background with the XYZ color 29.8432, 29.9804,

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

29.8432, 29.9804, 55.2528

Protanopia

30.2127, 29.9519, 54.6410

Deuteranopia

30.4977, 29.8561, 55.1943



Tritanopia

26.7869, 29.9347, 39.9635

Trichromacy



Original Color

29.8432, 29.9804, 55.2528

Protanomaly

30.0510, 29.8686, 54.6334

Deuteranomaly

30.3247, 29.9967, 55.2306

Tritanomaly

27.8052, 29.8570, 45.3718

Monochromacy



Original Color

29.8432, 29.9804, 55.2528

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5368, 29.6472, 39.8157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8432, 29.9804, 55.2528 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, 148, 194)` looks like.

```
.text, #text, p{  
    color:rgb(132, 148, 194)  
}
```

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, 148, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 148, 194) }
```

Border

The CSS property to change the border of an element to XYZ 29.8432, 29.9804, 55.2528 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, 148, 194) }
```


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

```
.border{ border-color:rgb(132, 148, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 148, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 148, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 148, 194);  
box-shadow:4px 4px 4px 4px rgb(132, 148,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8432, 29.9804, 55.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 148, 194) }
```

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

```
.background{ background-color: rgb(132,  
148, 194) }
```

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