

Converting Colors

XYZ(32.4057, 30.8307, 55.7708)

Have a look what the booklet for
XYZ(32.4057, 30.8307, 55.7708)
contains.

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Color

**XYZ(32.3420, 30.7938,
55.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	9492C3
RGB	148, 146, 195
RGB Percent	58%, 57%, 76%
CMY	0.4196, 0.4274, 0.2353
CMYK	0.24, 0.25, 0.00, 0.24
HSL	242°, 29%, 67%
HSV	242°, 25%, 76%
XYZ	32.3420, 30.7938, 55.8690
YIQ	152.1840, -14.5370, 15.6630

Conversions

Conversions Part 2

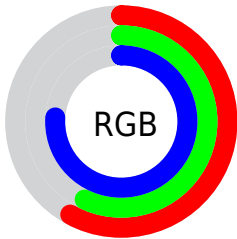
Format	Color
R_{YB}	148, 146, 195
Decimal	9736899
CIE _{Lab}	62.33, 11.43, -25.06
CIE _{LCh}	62, 27.541, 294.514
Yxy	30.7938, 0.2718, 0.2588
Android (android.graphics.Color)	4287926979 (0xFF9492C3)
YUV	152.1840, 21.1083, -3.6694
Hunter-Lab	55.4922, 6.9223, -20.8481

Details

The XYZ color **32.3420, 30.7938, 55.8690** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.6966, 52.4437, 34.8569**, and the grayscale version is **29.8415, 31.3956, 34.1898**.

A 20% lighter version of the original color is **62.8536, 61.0333, 100.5633**, and **13.8145, 12.7756, 26.9371** is the 20% darker color. If you saturate the color by 10%, you get **26.4744, 23.6814, 54.8059**, and if you desaturate by 10%, it is **39.2710, 39.2159, 57.1300**.

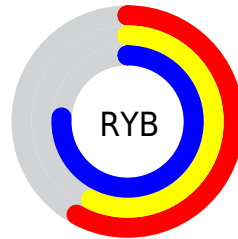
Distribution



Red (58%)

Green (57%)

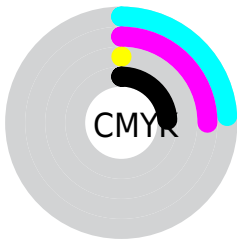
Blue (76%)



Red (58%)

Yellow (57%)

Blue (76%)

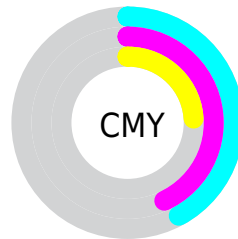


Cyan (24%)

Magenta (25%)

Yellow (0%)

Black (24%)



Cyan (42%)

Magenta (43%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3420, 30.7938, 55.8690 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 32.3420, 30.7938, 55.8690 by changing the saturation by 10% instead.

■ 32.3420, 30.7938,
55.8690

■ 32.3420, 30.7938,
55.8690

304.3919,
305.5872, 426.5721

■ 21.7797, 20.4419,
39.6946

■ 62.7084, 60.9153,
100.2969

■ 13.8108, 12.7167,
26.9885

■ 83.2433, 81.4536,
129.3875

■ 8.0700, 7.2337,
17.3323

107.8329,
106.1563, 163.6206

■ 4.1920, 3.6087,
10.3072

136.8429,
135.4076, 203.4147

■ 1.8113, 1.4572,
5.4949

170.6384,
169.5919, 249.1883

■ 0.5245, 0.2583,
2.4767

209.5848,

■ 0.0000, 0.0000,

209.0937, 301.3601

0.8278

254.0475,
254.2973, 360.3485

■ 0.0000, 0.0000,
0.0000

■ 32.3420, 30.7938,
55.8690

■ 32.3420, 30.7938,
55.8690

■ 26.4744, 23.6814,
54.8059

■ 39.2710, 39.2159,
57.1300

■ 21.6130, 17.8094,
53.9288

■ 47.3070, 49.0050,
58.5959

■ 17.7021, 13.1079,
53.2274

■ 56.4967, 60.2193,
60.2761

■ 14.6794, 9.4985,
52.6900

■ 66.8830, 72.9127,
62.1788

■ 12.4753, 6.8931,
52.3033

■ 78.5068, 87.1363,
64.3116

■ 11.0096, 5.1901,
52.0518

■ 86.8504, 96.7202,
65.7217

■ 10.1860, 4.2663,
51.9169

■ 9.9500, 3.9915,
51.8763

Harmonies

Analogous

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



28.5892, 30.7938, 58.3722



32.3420, 30.7938, 55.8690



35.4963, 30.7938, 46.9016

Triad

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



32.3420, 30.7938, 55.8690



33.6262, 30.7938, 19.4470



22.7024, 30.7938, 31.6063

Complementary

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



32.3420, 30.7938, 55.8690



46.6966, 52.4437, 34.8569

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.



23.8155, 30.7938, 22.9759



32.3420, 30.7938, 55.8690



29.9586, 30.7938, 16.9754

Square

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



32.3420, 30.7938, 55.8690



36.2807, 30.7938, 25.7183



26.3963, 30.7938, 18.1148



23.2237, 30.7938, 42.7804

Rectangle

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



32.3420, 30.7938, 55.8690



36.7275, 30.7938, 39.3095



26.3963, 30.7938, 18.1148



22.8948, 30.7938, 28.3453

Sweetspot

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



32.3430, 30.7950, 55.8697



80.2001, 82.2500, 104.1186



40.8564, 48.3542, 58.8103



17.0715, 17.4131, 22.7112



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.



32.3430, 30.7950, 55.8697



52.0852, 48.0686, 99.0028



37.1728, 33.2849, 56.0957



9.5655, 9.7672, 12.6659



6.4843, 2.6032, 33.7173



0.2936, 0.1194, 1.4575

Inverse Universe

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



42.4111, 36.0113, 55.1685



73.1290, 58.9734, 97.4454



41.0379, 49.5266, 34.5920



10.4790, 10.2402, 12.6128



20.4681, 9.8770, 31.4406



0.8900, 0.4290, 1.3880

Previews

White Background



This preview shows how the XYZ color 32.3420, 30.7938, 55.8690 looks on a white background.

Color Contrast Check

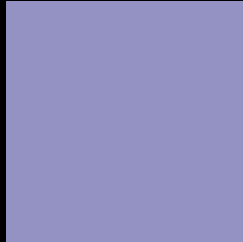
Large Text (above 18pt) WCAG AA × Fail

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 32.3420, 30.7938, 55.8690 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 32.3420, 30.7938, 55.8690

Background



This preview shows how black text looks on a background with the XYZ color 32.3420, 30.7938, 55.8690.



This preview shows how white text looks on a background with the XYZ color 32.3420, 30.7938,

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

32.3420, 30.7938, 55.8690

Protanopia

31.3067, 30.9294, 57.1432

Deuteranopia

31.5956, 30.8707, 55.9231



Tritanopia

29.0844, 30.8876, 39.5509

Trichromacy



Original Color

32.3420, 30.7938, 55.8690

Protanomaly

31.7090, 30.9161, 56.5207

Deuteranomaly

31.7856, 30.7369, 55.8873

Tritanomaly

30.1458, 30.8371, 44.9207

Monochromacy



Original Color

32.3420, 30.7938, 55.8690

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7367, 31.2192, 41.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3420, 30.7938, 55.8690 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(148, 146, 195)` looks like.

```
.text, #text, p{  
    color:rgb(148, 146, 195)  
}
```

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(148, 146, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 146, 195) }
```

Border

The CSS property to change the border of an element to XYZ 32.3420, 30.7938, 55.8690 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(148, 146, 195) }
```


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

```
.border{ border-color:rgb(148, 146, 195) }
```

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

Here you see how a box with a 4 pixel rgb(148, 146, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 146, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 146, 195);  
box-shadow:4px 4px 4px 4px rgb(148, 146,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3420, 30.7938, 55.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 146, 195) }
```

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

```
.background{ background-color: rgb(148,  
146, 195) }
```

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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