

Converting Colors

XYZ(33.3513, 30.7363, 58.8483)

Have a look what the booklet for
XYZ(33.3513, 30.7363, 58.8483)
contains.

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Color

**XYZ(33.3475, 30.7920,
58.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	9890C8
RGB	152, 144, 200
RGB Percent	60%, 56%, 78%
CMY	0.4039, 0.4353, 0.2157
CMYK	0.24, 0.28, 0.00, 0.22
HSL	249°, 34%, 67%
HSV	249°, 28%, 78%
XYZ	33.3475, 30.7920, 58.8294
YIQ	152.7760, -13.2080, 19.1120

Conversions

Conversions Part 2

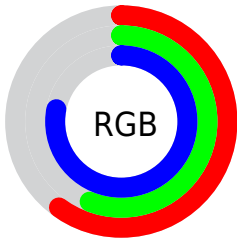
Format	Color
R_{YB}	152, 144, 200
Decimal	9998536
CIE _{Lab}	62.33, 15.01, -27.84
CIE _{LCh}	62, 31.631, 298.338
Yxy	30.7920, 0.2712, 0.2504
Android (android.graphics.Color)	4288188616 (0xFF9890C8)
YUV	152.7760, 23.2814, -0.6806
Hunter-Lab	55.4905, 10.1626, -24.0141

Details

The XYZ color **33.3475, 30.7920, 58.8294** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.4272, 54.5292, 34.4122**, and the grayscale version is **30.0879, 31.6548, 34.4721**.

A 20% lighter version of the original color is **63.9762, 60.8736, 102.9856**, and **14.4465, 12.7901, 28.9014** is the 20% darker color. If you saturate the color by 10%, you get **27.6026, 23.7255, 57.7687**, and if you desaturate by 10%, it is **40.0949, 39.1733, 60.0920**.

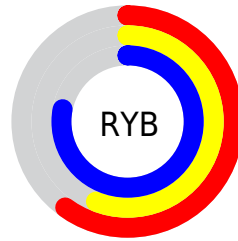
Distribution



Red (60%)

Green (56%)

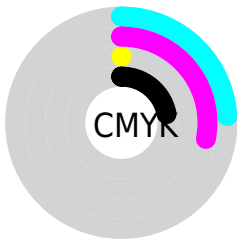
Blue (78%)



Red (60%)

Yellow (56%)

Blue (78%)

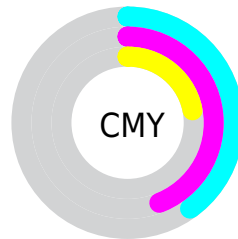


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (22%)



Cyan (40%)

Magenta (44%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3475, 30.7920, 58.8294 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 33.3475, 30.7920, 58.8294 by changing the saturation by 10% instead.

■ 33.3475, 30.7920,
58.8294

■ 33.3475, 30.7920,
58.8294

308.8501,
305.5789, 437.9537

■ 22.5533, 20.4405,
42.0567

■ 64.2687, 60.9124,
104.6564

■ 14.3829, 12.7157,
28.8198

■ 85.1265, 81.4502,
134.5477

■ 8.4709, 7.2330,
18.7001

110.0694,
106.1522, 169.6490

■ 4.4521, 3.6083,
11.2792

139.4630,
135.4027, 210.3788

■ 1.9609, 1.4569,
6.1384

173.6725,
169.5863, 257.1556

■ 0.6119, 0.2581,
2.8593

213.0632,

■ 0.0000, 0.0000,

209.0872, 310.3980

1.0232

258.0006,
254.2900, 370.5245

■ 0.0000, 0.0000,
0.0000

■ 33.3475, 30.7920,
58.8294

■ 33.3475, 30.7920,
58.8294

■ 27.6026, 23.7255,
57.7687

■ 40.0949, 39.1733,
60.0920

■ 22.8088, 17.9031,
56.8976

■ 47.8864, 48.9277,
61.5642

■ 18.9152, 13.2534,
56.2053

■ 56.7653, 60.1146,
63.2555

■ 15.8644, 9.6959,
55.6794

■ 66.7713, 72.7886,
65.1745

■ 13.5924, 7.1400,
55.3058

■ 77.9421, 87.0018,
67.3291

■ 12.0258, 5.4801,
55.0680

■ 87.3739, 96.9236,
68.7471

■ 11.0646, 4.5642,
54.9419

■ 87.4254, 96.9502,
68.7495

■ 10.9201, 4.4252,
54.9227

Harmonies

Analogous

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



29.0290, 30.7920, 63.0175



33.3475, 30.7920, 58.8294



36.8412, 30.7920, 47.4751

Triad

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



33.3475, 30.7920, 58.8294



33.8003, 30.7920, 17.2078



21.7907, 30.7920, 32.8487

Complementary

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



33.3475, 30.7920, 58.8294



47.4272, 54.5292, 34.4122

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.



22.8091, 30.7920, 22.6198



33.3475, 30.7920, 58.8294



29.5061, 30.7920, 15.0624

Square

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



33.3475, 30.7920, 58.8294



37.1200, 30.7920, 23.5423



25.5335, 30.7920, 16.7735



22.6076, 30.7920, 45.9984

Rectangle

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



33.3475, 30.7920, 58.8294



38.0843, 30.7920, 38.5181



25.5335, 30.7920, 16.7735



21.9277, 30.7920, 28.9873

Sweetspot

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



33.3485, 30.7932, 58.8301



82.7410, 84.5011, 106.5572



40.8947, 48.0341, 61.7602



17.2444, 17.5022, 22.7193



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.



33.3485, 30.7932, 58.8301



51.0906, 45.1220, 100.6244



39.0979, 33.7572, 59.0992



10.1953, 10.3590, 13.3796



6.9894, 2.8374, 34.9237



0.3777, 0.1585, 1.6558

Inverse Universe

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



43.3079, 36.0327, 54.5422



71.4175, 55.8239, 91.4998



41.1093, 51.2722, 34.1166



11.0154, 10.7896, 13.0645



19.8704, 9.6977, 25.5912



0.9592, 0.4665, 1.3083

Previews

White Background



This preview shows how the XYZ color 33.3475, 30.7920, 58.8294 looks on a white background.

Color Contrast Check

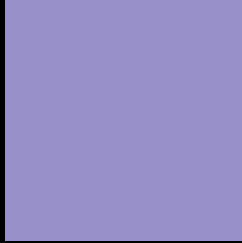
Large Text (above 18pt) WCAG AA × Fail

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 33.3475, 30.7920, 58.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

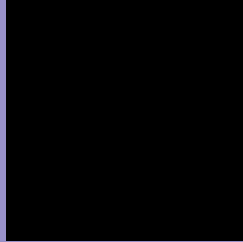
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3475, 30.7920, 58.8294

Background



This preview shows how black text looks on a background with the XYZ color 33.3475, 30.7920, 58.8294.



This preview shows how white text looks on a background with the XYZ color 33.3475, 30.7920,

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

33.3475, 30.7920, 58.8294

Protanopia

31.6382, 31.0054, 61.4439

Deuteranopia

31.5462, 30.7923, 58.3137



Tritanopia

29.3545, 30.7973, 39.0477

Trichromacy



Original Color

33.3475, 30.7920, 58.8294

Protanomaly

32.1977, 30.8420, 60.7560

Deuteranomaly

32.2441, 30.9203, 58.3016

Tritanomaly

30.6391, 30.6103, 45.3678

Monochromacy



Original Color

33.3475, 30.7920, 58.8294

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.2989, 31.4873, 42.4582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3475, 30.7920, 58.8294 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(152, 144, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 144, 200)  
}
```

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(152, 144, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 144, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.3475, 30.7920, 58.8294 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(152, 144, 200) }
```


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

```
.border{ border-color:rgb(152, 144, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 144, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 144, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 144, 200); box-shadow:4px 4px 4px 4px rgb(152, 144, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3475, 30.7920, 58.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 144, 200) }
```

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

```
.background{ background-color: rgb(152,  
144, 200) }
```

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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