

Converting Colors

XYZ(33.7864, 29.4793, 59.1677)

Have a look what the booklet for
XYZ(33.7864, 29.4793, 59.1677)
contains.

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Color

**XYZ(33.7864, 29.4793,
59.1677)**

Conversions

Conversions Part 1

Format	Color
Hex	9F89C9
RGB	159, 137, 201
RGB Percent	62%, 54%, 79%
CMY	0.3765, 0.4627, 0.2118
CMYK	0.21, 0.32, 0.00, 0.21
HSL	261°, 37%, 66%
HSV	261°, 32%, 79%
XYZ	33.7864, 29.4793, 59.1677
YIQ	150.8740, -7.4320, 24.5680

Conversions

Conversions Part 2

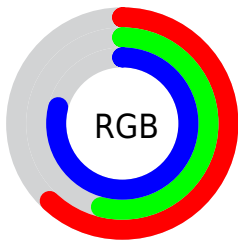
Format	Color
R _Y B	159, 137, 201
Decimal	10455497
CIE Lab	61.20, 21.42, -30.10
CIE LCh	61, 36.945, 305.441
Yxy	29.4793, 0.2760, 0.2408
Android (android.graphics.Color)	4288645577 (0xFF9F89C9)
YUV	150.8740, 24.7121, 7.1265
Hunter-Lab	54.2948, 16.0604, -26.6048

Details

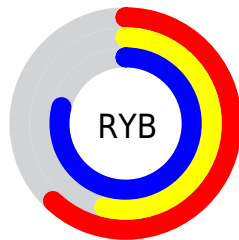
The XYZ color **33.7864, 29.4793, 59.1677** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.9932, 53.1638, 31.6111**, and the grayscale version is **29.2624, 30.7863, 33.5263**.

A 20% lighter version of the original color is **64.4124, 58.7777, 102.5581**, and **14.6185, 11.9871, 29.1470** is the 20% darker color. If you saturate the color by 10%, you get **28.7134, 23.0109, 58.1870**, and if you desaturate by 10%, it is **39.6728, 37.1585, 60.3402**.

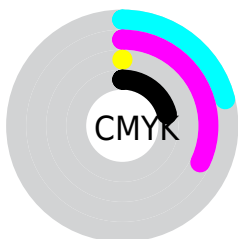
Distribution



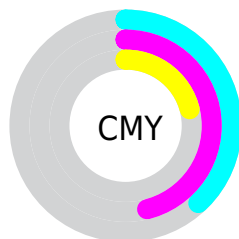
- Red (62%)
- Green (54%)
- Blue (79%)



- Red (62%)
- Yellow (54%)
- Blue (79%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)
- Black (21%)



- Cyan (38%)
- Magenta (46%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7864, 29.4793, 59.1677 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 33.7864, 29.4793, 59.1677 by changing the saturation by 10% instead.

■ 33.7864, 29.4793,
59.1677

■ 33.7864, 29.4793,
59.1677

310.7813,
299.4698, 439.2423

■ 22.8917, 19.4437,
42.3272

■ 64.9479, 58.8377,
105.1529

■ 14.6338, 11.9913,
29.0301

■ 85.9453, 78.9294,
135.1347

■ 8.6474, 6.7378,
18.8578

■ 111.0410,
103.1418, 170.3340

■ 4.5672, 3.2987,
11.3918

140.6004,
131.8594, 211.1694

■ 2.0277, 1.2896,
6.2136

174.9887,
165.4666, 258.0593

■ 0.6495, 0.1331,
2.9045

214.5714,

■ 0.0000, 0.0000,

204.3478, 311.4224

1.0461

259.7138,
248.8874, 371.6772

■ 0.0000, 0.0000,
0.0000

■ 33.7864, 29.4793,
59.1677

■ 33.7864, 29.4793,
59.1677

■ 28.7134, 23.0109,
58.1870

■ 39.6728, 37.1585,
60.3402

■ 24.4124, 17.6859,
57.3859

■ 46.4053, 46.1038,
61.7120

■ 20.8428, 13.4358,
56.7537

■ 54.0183, 56.3715,
63.2926

■ 17.9587, 10.1831,
56.2779

■ 62.5434, 68.0132,
65.0903

■ 15.7081, 7.8392,
55.9441

■ 72.0104, 81.0779,
67.1131

■ 14.0304, 6.2990,
55.7352

■ 81.6118, 93.9396,
69.0896

■ 13.0037, 5.4858,
55.6323

■ 86.2079, 96.3090,
69.3047

■ 87.5427, 96.9971,
69.3672

Harmonies

Analogous

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



28.9134, 29.4793, 66.7328



33.7864, 29.4793, 59.1677



37.3931, 29.4793, 44.5373

Triad

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



33.7864, 29.4793, 59.1677



32.0797, 29.4793, 13.4094



19.7180, 29.4793, 34.6993

Complementary

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



33.7864, 29.4793, 59.1677



43.9932, 53.1638, 31.6111

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.



20.3595, 29.4793, 22.2216



33.7864, 29.4793, 59.1677



27.1436, 29.4793, 12.1660

Square

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



33.7864, 29.4793, 59.1677



36.3307, 29.4793, 18.9606



22.9487, 29.4793, 14.8759



21.0831, 29.4793, 50.2237

Rectangle

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



33.7864, 29.4793, 59.1677



38.3894, 29.4793, 34.2697



22.9487, 29.4793, 14.8759



19.7081, 29.4793, 30.0199

Sweetspot

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



33.7874, 29.4805, 59.1684



81.5570, 81.7589, 106.0903



37.1141, 42.0445, 61.4181



17.0777, 16.9917, 22.6296



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.



33.7874, 29.4805, 59.1684



51.8829, 42.8374, 100.1417



40.8077, 33.0996, 59.4969



10.3947, 10.4618, 13.3889



8.2653, 3.4952, 34.9834



0.4693, 0.2057, 1.6601

Inverse Universe

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



41.1706, 33.5646, 46.9573



66.6273, 51.0052, 75.2232



37.5555, 49.8450, 31.3098



10.9222, 10.7523, 12.5736



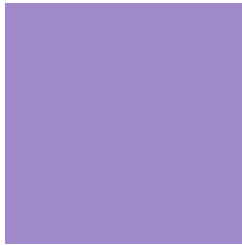
17.8043, 8.8713, 14.7114



0.8761, 0.4333, 0.8707

Previews

White Background



This preview shows how the XYZ color 33.7864, 29.4793, 59.1677 looks on a white background.

Color Contrast Check

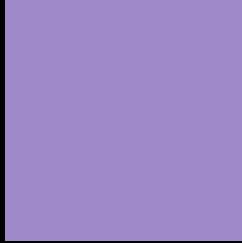
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7864, 29.4793, 59.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

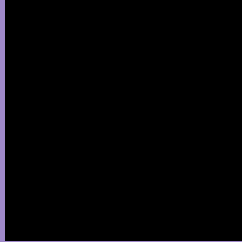
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7864, 29.4793, 59.1677

Background



This preview shows how black text looks on a background with the XYZ color 33.7864, 29.4793, 59.1677.



This preview shows how white text looks on a background with the XYZ color 33.7864, 29.4793,

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

33.7864, 29.4793, 59.1677

Protanopia

30.7173, 29.7790, 63.8034

Deuteranopia

30.2606, 29.6678, 58.1644



Tritanopia

29.1272, 29.5714, 36.0710

Trichromacy



Original Color

33.7864, 29.4793, 59.1677

Protanomaly

31.6571, 29.6281, 61.8079

Deuteranomaly

31.4031, 29.5658, 58.6952

Tritanomaly

30.6917, 29.5321, 43.6178

Monochromacy



Original Color

33.7864, 29.4793, 59.1677

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.7667, 30.2924, 41.7615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7864, 29.4793, 59.1677 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(159, 137, 201)` looks like.

```
.text, #text, p{  
    color:rgb(159, 137, 201)  
}
```

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(159, 137, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 137, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.7864, 29.4793, 59.1677 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(159, 137, 201) }
```


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

```
.border{ border-color:rgb(159, 137, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 137, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 137, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 137, 201);  
box-shadow:4px 4px 4px 4px rgb(159, 137,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7864, 29.4793, 59.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 137, 201) }
```

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

```
.background{ background-color: rgb(159,  
137, 201) }
```

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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