

Converting Colors

XYZ(33.8926, 28.0628, 64.8037)

Have a look what the booklet for
XYZ(33.8926, 28.0628, 64.8037)
contains.

XYZ(33.7160, 27.8875, 64.5786)	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(33.7160, 27.8875,
64.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	9E82D2
RGB	158, 130, 210
RGB Percent	62%, 51%, 82%
CMY	0.3804, 0.4902, 0.1765
CMYK	0.25, 0.38, 0.00, 0.18
HSL	261°, 47%, 67%
HSV	261°, 38%, 82%
XYZ	33.7160, 27.8875, 64.5786
YIQ	147.4920, -8.9920, 30.8160

Conversions

Conversions Part 2

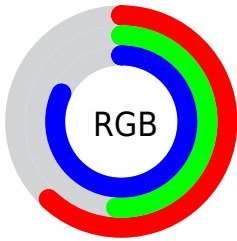
Format	Color
RYB	158, 130, 210
Decimal	10388178
CIELab	59.79, 27.28, -37.37
CIELCh	60, 46.266, 306.126
Yxy	27.8875, 0.2672, 0.2210
Android (android.graphics.Color)	4288578258 (0xFF9E82D2)
YUV	147.4920, 30.8164, 9.2155
Hunter-Lab	52.8086, 21.5494, -35.5385

Details

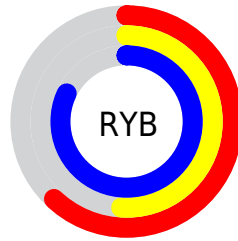
The XYZ color **33.7160, 27.8875, 64.5786** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **46.3681, 57.6506, 29.8040**, and the grayscale version is **27.8166, 29.2652, 31.8699**.

A 20% lighter version of the original color is **62.7150, 55.3831, 101.9923**, and **14.6108, 11.1071, 32.3842** is the 20% darker color. If you saturate the color by 10%, you get **28.6651, 21.5522, 63.6224**, and if you desaturate by 10%, it is **39.6371, 35.5188, 65.7400**.

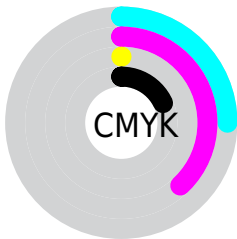
Distribution



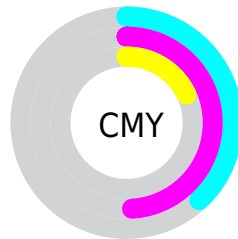
- Red (62%)
- Green (51%)
- Blue (82%)



- Red (62%)
- Yellow (51%)
- Blue (82%)



- Cyan (25%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7160, 27.8875, 64.5786 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 33.7160, 27.8875, 64.5786 by changing the saturation by 10% instead.

■ 33.7160, 27.8875,
64.5786

■ 33.7160, 27.8875,
64.5786

310.4721,
291.9290, 459.5408

■ 22.8374, 18.2409,
46.6703

■ 64.8390, 56.3048,
113.0513

■ 14.5935, 11.1231,
32.4226

■ 85.8141, 75.8442,
144.4527

■ 8.6190, 6.1497,
21.4170

■ 110.8854, 99.4501,
181.1889

■ 4.5487, 2.9363,
13.2350

140.4182,
127.5067, 223.6785

■ 2.0170, 1.0986,
7.4579

174.7779,
160.3985, 272.3399

■ 0.6435, 0.0000,
3.6673

214.3299,

■ 0.0000, 0.0000,

198.5099, 327.5917

1.4447

259.4395,
242.2252, 389.8525

■ 0.0000, 0.0000,
0.1762

■ 0.0000, 0.0000,
0.0000

■ 33.7160, 27.8875,
64.5786

■ 33.7160, 27.8875,
64.5786

■ 28.6651, 21.5522,
63.6224

■ 39.6371, 35.5188,
65.7400

■ 24.4369, 16.4347,
62.8575

■ 46.4667, 44.5114,
67.1158

■ 20.9834, 12.4533,
62.2711

■ 54.2442, 54.9302,
68.7169

■ 18.2498, 9.5148,
61.8479

■ 63.0058, 66.8348,
70.5529

■ 16.1730, 7.5098,
61.5704

■ 72.7856, 80.2815,
72.6329

■ 14.6650, 6.2807,
61.4127

■ 83.2951, 94.6814,
74.8585

■ 14.4187, 6.0893,
61.3887

■ 88.1025, 97.1597,
75.0835

■ 88.6330, 97.4332,
75.1083

Harmonies

Analogous

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



27.7264, 27.8875, 75.0506



33.7160, 27.8875, 64.5786



38.1964, 27.8875, 45.3789

Triad

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



33.7160, 27.8875, 64.5786



31.3306, 27.8875, 9.3892



16.8111, 27.8875, 33.9386

Complementary

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



33.7160, 27.8875, 64.5786



46.3681, 57.6506, 29.8040

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.



17.4837, 27.8875, 19.0920



33.7160, 27.8875, 64.5786



25.3224, 27.8875, 8.2600

Square

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



33.7160, 27.8875, 64.5786



36.6834, 27.8875, 15.0420



20.4053, 27.8875, 11.0528



18.4104, 27.8875, 53.6268

Rectangle

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



33.7160, 27.8875, 64.5786



39.4055, 27.8875, 32.5963



20.4053, 27.8875, 11.0528



16.7827, 27.8875, 28.2374

Sweetspot

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



33.7170, 27.8886, 64.5792



80.3529, 80.0953, 105.8326



37.8420, 43.4045, 67.3567



16.8391, 16.6609, 22.5783



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.



33.7170, 27.8886, 64.5792



45.6293, 34.8655, 98.9325



42.5551, 32.4448, 64.9929



11.5484, 11.6160, 14.8771



8.8939, 3.7653, 37.4505



0.5822, 0.2543, 2.0980

Inverse Universe

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



43.0053, 33.0453, 48.3686



62.4161, 44.2032, 68.8239



38.4622, 53.5750, 29.4340



12.1277, 11.9358, 13.9485



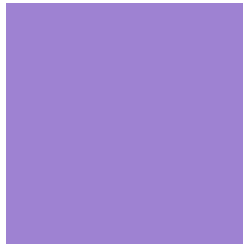
18.9940, 9.4705, 15.4066



1.0988, 0.5442, 1.0552

Previews

White Background



This preview shows how the XYZ color 33.7160, 27.8875, 64.5786 looks on a white background.

Color Contrast Check

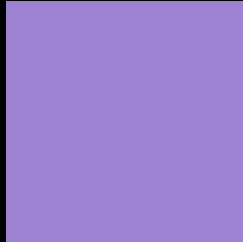
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7160, 27.8875, 64.5786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

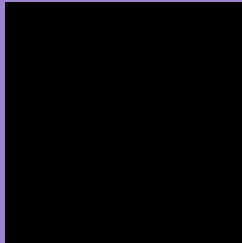
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7160, 27.8875, 64.5786

Background



This preview shows how black text looks on a background with the XYZ color 33.7160, 27.8875, 64.5786.



This preview shows how white text looks on a background with the XYZ color 33.7160, 27.8875,

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

33.7160, 27.8875, 64.5786

Protanopia

29.7937, 28.2263, 71.5881

Deuteranopia

28.6927, 28.0719, 62.9376



Tritanopia

27.6355, 27.9418, 34.0738

Trichromacy



Original Color

33.7160, 27.8875, 64.5786

Protanomaly

30.8432, 27.9601, 68.7370

Deuteranomaly

30.1465, 27.7176, 63.4356

Tritanomaly

29.6774, 27.9084, 43.8671

Monochromacy



Original Color

33.7160, 27.8875, 64.5786

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.5431, 28.5313, 41.9802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7160, 27.8875, 64.5786 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(158, 130, 210)` looks like.

```
.text, #text, p{  
    color:rgb(158, 130, 210)  
}
```

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(158, 130, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 130, 210) }
```

Border

The CSS property to change the border of an element to XYZ 33.7160, 27.8875, 64.5786 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(158, 130, 210) }
```


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

```
.border{ border-color:rgb(158, 130, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 130, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 130, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 130, 210);  
box-shadow:4px 4px 4px 4px rgb(158, 130,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7160, 27.8875, 64.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 130, 210) }
```

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

```
.background{ background-color: rgb(158,  
130, 210) }
```

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