

Converting Colors

XYZ(37.2321, 21.7765, 61.9800)

Have a look what the booklet for
XYZ(37.2321, 21.7765, 61.9800)
contains.

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Color

**XYZ(37.3277, 21.8676,
61.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	C64DD0
RGB	198, 77, 208
RGB Percent	78%, 30%, 82%
CMY	0.2235, 0.6980, 0.1843
CMYK	0.05, 0.63, 0.00, 0.18
HSL	295°, 58%, 56%
HSV	295°, 63%, 82%
XYZ	37.3277, 21.8676, 61.9280
YIQ	128.1130, 30.0650, 66.3930

Conversions

Conversions Part 2

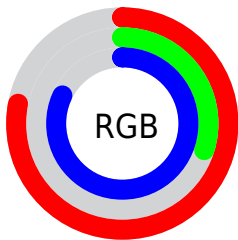
Format	Color
RYB	198, 77, 208
Decimal	12996048
CIELab	53.89, 64.92, -45.21
CIELCh	54, 79.115, 325.147
Yxy	21.8676, 0.3082, 0.1805
Android (android.graphics.Color)	4291186128 (0xFFC64DD0)
YUV	128.1130, 39.3843, 61.2909
Hunter-Lab	46.7628, 60.6500, -45.7838

Details

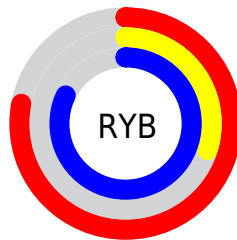
The XYZ color **37.3277, 21.8676, 61.9280** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **27.8267, 47.6744, 14.7577**, and the grayscale version is **20.4184, 21.4818, 23.3937**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **16.7451, 7.9843, 30.7956** is the 20% darker color. If you saturate the color by 10%, you get **35.6821, 19.1937, 61.4989**, and if you desaturate by 10%, it is **39.4445, 25.4760, 62.5132**.

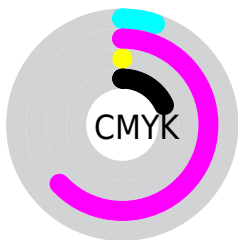
Distribution



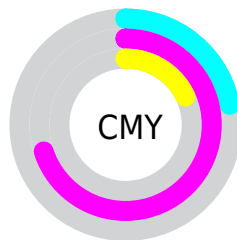
- Red (78%)
- Green (30%)
- Blue (82%)



- Red (78%)
- Yellow (30%)
- Blue (82%)



- Cyan (5%)
- Magenta (63%)
- Yellow (0%)
- Black (18%)



- Cyan (22%)
- Magenta (70%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3277, 21.8676, 61.9280 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 37.3277, 21.8676, 61.9280 by changing the saturation by 10% instead.

■ 37.3277, 21.8676,
61.9280

■ 37.3277, 21.8676,
61.9280

326.0581,
261.8541, 449.6688

■ 25.6362, 13.7596,
44.5391

■ 70.3871, 46.5271,
109.1921

■ 16.6829, 7.9537,
30.7543

■ 92.4856, 63.8474,
139.9043

■ 10.1026, 4.0653,
20.1549

■ 118.7838, 85.0073,
175.8947

■ 5.5298, 1.7102,
12.3225

■ 149.6471,
110.3911, 217.5819

■ 2.5993, 0.4302,
6.8385

■ 185.4409,
140.3833, 265.3844

■ 0.9456, 0.0000,
3.2844

226.5303,

■ 0.0000, 0.0000,

175.3683, 319.7206

1.2416

273.2810,
215.7304, 381.0093

■ 0.0000, 0.0000,
0.0132

■ 0.0000, 0.0000,
0.0000

■ 37.3277, 21.8676,
61.9280

■ 37.3277, 21.8676,
61.9280

■ 35.6821, 19.1937,
61.4989

■ 39.4445, 25.4760,
62.5132

■ 34.4590, 17.3591,
61.2093

■ 42.0702, 30.0961,
63.2666

■ 33.6036, 16.2535,
61.0410

■ 45.2412, 35.8005,
64.2006

■ 33.1547, 15.7767,
60.9726

■ 48.9902, 42.6543,
65.3259

■ 53.3472, 50.7174,
66.6526

■ 58.3400, 60.0456,
68.1900

■ 63.9949, 70.6913,
69.9467

■ 70.3364, 82.7036,
71.9311

■ 74.3805, 90.1144,
73.1484

Harmonies

Analogous

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



28.5489, 21.8676, 96.4993



37.3277, 21.8676, 61.9280



41.7449, 21.8676, 28.0027

Triad

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



37.3277, 21.8676, 61.9280



22.2011, 21.8676, 0.9842



9.2053, 21.8676, 49.8177

Complementary

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



37.3277, 21.8676, 61.9280



27.8267, 47.6744, 14.7577

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.



8.3646, 21.8676, 20.0583



37.3277, 21.8676, 61.9280



14.5733, 21.8676, 1.5892

Square

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



37.3277, 21.8676, 61.9280



31.6182, 21.8676, 2.3356



10.0341, 21.8676, 5.8066



12.7601, 21.8676, 86.7598

Rectangle

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



37.3277, 21.8676, 61.9280



40.9380, 21.8676, 13.5376



10.0341, 21.8676, 5.8066



8.6458, 21.8676, 38.2874

Sweetspot

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



37.3285, 21.8686, 61.9285



80.1464, 72.1932, 104.3183



17.9296, 13.0987, 61.2581



16.7432, 14.6932, 22.2036



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.



37.3285, 21.8686, 61.9285



55.7348, 29.1403, 97.2948



34.4513, 21.0323, 32.5627



12.2180, 11.9612, 14.9084



20.7006, 9.8518, 38.0030



1.1845, 0.5648, 2.1262

Inverse Universe

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



30.3873, 19.4067, 11.1621



44.2237, 25.1406, 9.3580



29.7536, 48.3447, 29.4451



11.8448, 11.8227, 12.4587



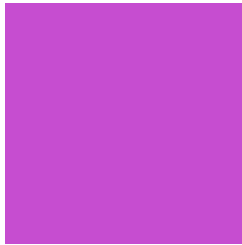
16.2841, 8.3865, 1.1361



0.9236, 0.4741, 0.1323

Previews

White Background



This preview shows how the XYZ color 37.3277, 21.8676, 61.9280 looks on a white background.

Color Contrast Check

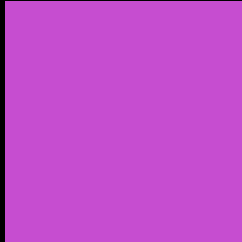
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3277, 21.8676, 61.9280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

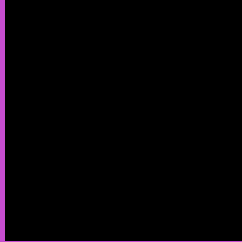
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3277, 21.8676, 61.9280

Background



This preview shows how black text looks on a background with the XYZ color 37.3277, 21.8676, 61.9280.



This preview shows how white text looks on a background with the XYZ color 37.3277, 21.8676,

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

37.3277, 21.8676, 61.9280

Protanopia

26.5384, 22.5011, 96.7104

Deuteranopia

22.7752, 22.2037, 57.1182



Tritanopia

28.2819, 21.7345, 18.3273

Trichromacy



Original Color

37.3277, 21.8676, 61.9280



Protanomaly

26.3575, 19.7826, 82.5500



Deuteranomaly

25.7523, 20.3217, 58.4423



Tritanomaly

30.6727, 21.2697, 30.5058

Monochromacy



Original Color

37.3277, 21.8676, 61.9280



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

24.6913, 20.1439, 34.4851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3277, 21.8676, 61.9280 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(198, 77, 208)` looks like.

```
.text, #text, p{  
    color:rgb(198, 77, 208)  
}
```

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(198, 77, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 77, 208) }
```

Border

The CSS property to change the border of an element to XYZ 37.3277, 21.8676, 61.9280 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(198, 77, 208) }
```


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

```
.border{ border-color:rgb(198, 77, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 77, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 77, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 77, 208);  
box-shadow:4px 4px 4px 4px rgb(198, 77,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3277, 21.8676, 61.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 77, 208) }
```

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

```
.background{ background-color: rgb(198, 77,  
208) }
```

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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