

Converting Colors

XYZ(31.4152, 17.8863, 42.9641)

Have a look what the booklet for
XYZ(31.4152, 17.8863, 42.9641)
contains.

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Color

**XYZ(31.3522, 17.8961,
42.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	C03FB0
RGB	192, 63, 176
RGB Percent	75%, 25%, 69%
CMY	0.2471, 0.7529, 0.3098
CMYK	0.00, 0.67, 0.08, 0.25
HSL	307°, 51%, 50%
HSV	307°, 67%, 75%
XYZ	31.3522, 17.8961, 42.8761
YIQ	114.4530, 40.6110, 62.4910

Conversions

Conversions Part 2

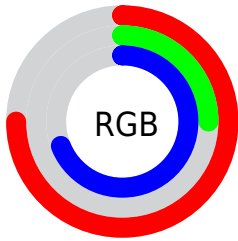
Format	Color
R_{YB}	192, 63, 176
Decimal	12599216
CIE _{Lab}	49.37, 63.71, -33.89
CIE _{LCh}	49, 72.158, 331.990
Yxy	17.8961, 0.3403, 0.1943
Android (android.graphics.Color)	4290789296 (0xFFC03FB0)
YUV	114.4530, 30.3427, 68.0087
Hunter-Lab	42.3038, 58.2584, -30.4795

Details

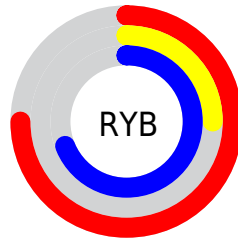
The XYZ color **31.3522, 17.8961, 42.8761** is a dark color, and the websafe version is hex **993399**. The color can be described as middle muted rose. A complement of this color would be **22.3117, 39.3213, 13.8124**, and the grayscale version is **16.0343, 16.8693, 18.3707**.

A 20% lighter version of the original color is **61.0656, 39.7684, 80.8015**, and **13.5668, 6.5810, 19.2941** is the 20% darker color. If you saturate the color by 10%, you get **30.2348, 16.0347, 41.3513**, and if you desaturate by 10%, it is **32.8457, 20.5021, 44.5470**.

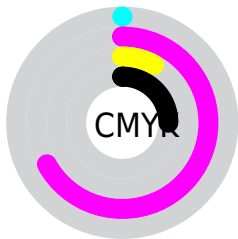
Distribution



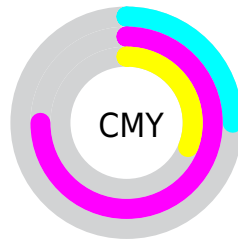
- Red (75%)
- Green (25%)
- Blue (69%)



- Red (75%)
- Yellow (25%)
- Blue (69%)



- Cyan (0%)
- Magenta (67%)
- Yellow (8%)
- Black (25%)





- Cyan (25%)
- Magenta (75%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3522, 17.8961, 42.8761 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 31.3522, 17.8961, 42.8761 by changing the saturation by 10% instead.


 31.3522, 17.8961,
42.8761


 31.3522, 17.8961,
42.8761


299.9556,
240.2848, 374.0082


 21.0203, 10.8754,
29.4572


 61.1662, 39.8602,
80.8082

 13.2514, 5.9831,
19.1784


 81.3791, 55.5724,
106.1585


 7.6801, 2.8348,
11.6212


 105.6163, 74.9506,
136.3231

 3.9410, 1.0461,
6.3669

 134.2433, 98.3791,
171.7204

 1.6688, 0.0000,
2.9971

 167.6254,
126.2424, 212.7690

 0.4366, 0.0000,
1.0931

206.1279,

 0.0000, 0.0000,

158.9249, 259.8875

0.0000

250.1162,
196.8108, 313.4944

■ 31.3522, 17.8961,
42.8761

■ 31.3522, 17.8961,
42.8761

■ 30.2348, 16.0347,
41.3513

■ 32.8457, 20.5021,
44.5470

■ 29.4510, 14.8345,
39.9578

■ 34.7480, 23.9197,
46.3745

■ 28.9450, 14.1831,
38.6771

■ 37.0905, 28.2110,
48.3694

■ 28.8236, 14.0406,
38.3271

■ 39.9011, 33.4315,
50.5409

■ 43.2050, 39.6322,
52.8978

■ 47.0261, 46.8603,
55.4479

■ 51.3864, 55.1600,
58.1987

■ 56.3066, 64.5727,
61.1573

■ 61.8065, 75.1379,
64.3304

Harmonies

Analogous

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



24.9146, 17.8961, 71.5842



31.3522, 17.8961, 42.8761



33.6976, 17.8961, 18.2148

Triad

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



31.3522, 17.8961, 42.8761



16.5599, 17.8961, 0.9093



8.1592, 17.8961, 46.7983

Complementary

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



31.3522, 17.8961, 42.8761



22.3117, 39.3213, 13.8124

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.



7.0069, 17.8961, 20.8146



31.3522, 17.8961, 42.8761



10.9834, 17.8961, 1.8598

Square

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



31.3522, 17.8961, 42.8761



23.9145, 17.8961, 1.6013



7.8843, 17.8961, 6.6646



11.5811, 17.8961, 74.7235

Rectangle

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



31.3522, 17.8961, 42.8761



32.2322, 17.8961, 8.5629



7.8843, 17.8961, 6.6646



7.5420, 17.8961, 37.1279

Sweetspot

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



31.3528, 17.8970, 42.8765



76.3079, 68.0905, 94.4706



14.4389, 8.9837, 50.8427



16.0043, 13.9199, 20.0066



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3528, 17.8970, 42.8765



53.9866, 27.8021, 73.6063



26.4663, 15.9424, 17.1445



10.4418, 10.2253, 12.4169



19.4146, 9.4556, 25.8932



0.8543, 0.4147, 1.1999

Inverse Universe

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



31.3528, 17.8970, 42.8765



53.9866, 27.8021, 73.6063



25.8243, 40.7263, 32.3093



10.4418, 10.2253, 12.4169



19.4146, 9.4556, 25.8932



0.8543, 0.4147, 1.1999

Previews

White Background



This preview shows how the XYZ color 31.3522, 17.8961, 42.8761 looks on a white background.

Color Contrast Check

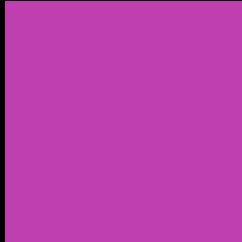
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.3522, 17.8961, 42.8761 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 31.3522, 17.8961, 42.8761

Background



This preview shows how black text looks on a background with the XYZ color 31.3522, 17.8961, 42.8761.



This preview shows how white text looks on a background with the XYZ color 31.3522, 17.8961,

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

31.3522, 17.8961, 42.8761

Protanopia

20.9929, 18.2472, 70.8222

Deuteranopia

18.5748, 18.2024, 39.5802



Tritanopia

25.0385, 17.8549, 12.7163

Trichromacy



Original Color

31.3522, 17.8961, 42.8761



Protanomaly

21.4183, 15.8434, 59.6868



Deuteranomaly

21.2982, 16.4762, 40.5858



Tritanomaly

26.6838, 17.4863, 21.0376

Monochromacy



Original Color

31.3522, 17.8961, 42.8761



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.7629, 15.7413, 25.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3522, 17.8961, 42.8761 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(192, 63, 176)` looks like.

```
.text, #text, p{  
    color:rgb(192, 63, 176)  
}
```

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(192, 63, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 63, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.3522, 17.8961, 42.8761 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(192, 63, 176) }
```


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

```
.border{ border-color:rgb(192, 63, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 63, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 63, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 63, 176);  
box-shadow:4px 4px 4px 4px rgb(192, 63,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3522, 17.8961, 42.8761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 63, 176) }
```

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

```
.background{ background-color: rgb(192, 63,  
176) }
```

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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