

Converting Colors

XYZ(33.3274, 18.5735, 72.2008)

Have a look what the booklet for
XYZ(33.3274, 18.5735, 72.2008)
contains.

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Color

**XYZ(33.3662, 18.6262,
72.3576)**

Conversions

Conversions Part 1

Format	Color
Hex	B043E0
RGB	176, 67, 224
RGB Percent	69%, 26%, 88%
CMY	0.3098, 0.7372, 0.1216
CMYK	0.21, 0.70, 0.00, 0.12
HSL	282°, 72%, 57%
HSV	282°, 70%, 88%
XYZ	33.3662, 18.6262, 72.3576
YIQ	117.4890, 14.5670, 71.9350

Conversions

Conversions Part 2

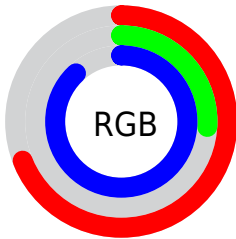
Format	Color
R_{YB}	176, 67, 224
Decimal	11551712
CIE _{Lab}	50.25, 67.17, -60.31
CIE _{LCh}	50, 90.273, 318.079
Yxy	18.6262, 0.2683, 0.1498
Android (android.graphics.Color)	4289741792 (0xFFB043E0)
YUV	117.4890, 52.5099, 51.3141
Hunter-Lab	43.1581, 62.4745, -69.1933

Details

The XYZ color **33.3662, 18.6262, 72.3576** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **34.7393, 57.3617, 14.5516**, and the grayscale version is **16.8998, 17.7799, 19.3623**.

A 20% lighter version of the original color is **59.3939, 39.0481, 99.0144**, and **14.5391, 6.6787, 37.5686** is the 20% darker color. If you saturate the color by 10%, you get **30.7733, 15.6806, 71.9260**, and if you desaturate by 10%, it is **36.5536, 22.6429, 72.9652**.

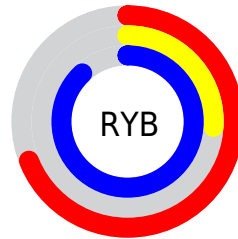
Distribution



Red (69%)

Green (26%)

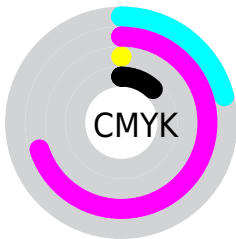
Blue (88%)



Red (69%)

Yellow (26%)

Blue (88%)

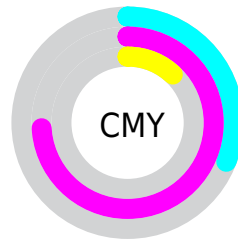


Cyan (21%)

Magenta (70%)

Yellow (0%)

Black (12%)



Cyan (31%)


Magenta (74%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3662, 18.6262, 72.3576 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 33.3662, 18.6262, 72.3576 by changing the saturation by 10% instead.


 33.3662, 18.6262,
72.3576


 33.3662, 18.6262,
72.3576


308.9325,
244.3773, 487.7963


 22.5677, 11.4005,
52.9622

 64.2977, 41.1015,
124.2773


 14.3936, 6.3369,
37.3851


 85.1614, 57.1199,
157.6386

 8.4784, 3.0510,
25.2077


 110.1109, 76.8380,
196.4924

 4.4569, 1.1584,
16.0114

 139.5115,
100.6401, 241.2571

 1.9638, 0.0273,
9.3778

 173.7286,
128.9107, 292.3513

 0.6135, 0.0000,
4.8882

213.1276,

 0.0000, 0.0000,

162.0342, 350.1935

2.1243

258.0738,
200.3949, 415.2024

■ 0.0000, 0.0000,
0.6301

■ 0.0000, 0.0000,
0.0000

■ 33.3662, 18.6262,
72.3576

■ 33.3662, 18.6262,
72.3576

■ 30.7733, 15.6806,
71.9260

■ 36.5536, 22.6429,
72.9652

■ 28.7080, 13.6769,
71.6481

■ 40.3872, 27.8352,
73.7654

■ 27.0719, 12.4018,
71.4882

■ 44.9154, 34.2975,
74.7741

■ 50.1810, 42.1138,
76.0053

56.2231, 51.3608,
77.4716

63.0780, 62.1092,
79.1850

70.7794, 74.4252,
81.1563

79.3590, 88.3709,
83.3959

84.3526, 95.0161,
84.4154

Harmonies

Analogous

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



23.4422, 18.6262, 108.9402



33.3662, 18.6262, 72.3576



39.7377, 18.6262, 31.9233

Triad

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



33.3662, 18.6262, 72.3576



21.4033, 18.6262, 0.0000



6.0585, 18.6262, 39.1631

Complementary

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



33.3662, 18.6262, 72.3576



34.7393, 57.3617, 14.5516

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.



5.8330, 18.6262, 11.8814



33.3662, 18.6262, 72.3576



12.9875, 18.6262, 0.0571

Square

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



33.3662, 18.6262, 72.3576



31.4576, 18.6262, 1.4175



7.9187, 18.6262, 2.1321



8.6884, 18.6262, 81.2266

Rectangle

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



33.3662, 18.6262, 72.3576



40.0737, 18.6262, 14.2454



7.9187, 18.6262, 2.1321



5.7402, 18.6262, 27.8175

Sweetspot

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



33.3670, 18.6269, 72.3580



74.5130, 67.4895, 103.7073



22.0981, 19.2324, 73.0688



15.4502, 13.6773, 22.0756



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.



33.3670, 18.6269, 72.3580



39.9501, 19.6768, 96.3001



42.6229, 23.8120, 54.1085



13.8659, 13.7144, 17.3040



15.8800, 7.2817, 41.6169



1.1906, 0.5511, 2.8889

Inverse Universe

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



35.8425, 21.0999, 18.4035



44.6425, 23.8786, 15.9699



31.0722, 55.3455, 20.0598



13.8789, 13.7692, 15.1324



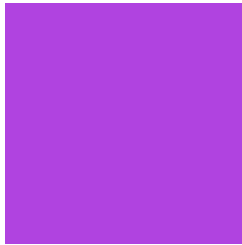
18.5542, 9.4887, 4.3181



1.3251, 0.6733, 0.5051

Previews

White Background



This preview shows how the XYZ color 33.3662, 18.6262, 72.3576 looks on a white background.

Color Contrast Check

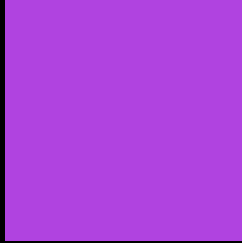
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3662, 18.6262, 72.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

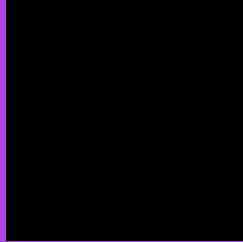
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3662, 18.6262, 72.3576

Background



This preview shows how black text looks on a background with the XYZ color 33.3662, 18.6262, 72.3576.



This preview shows how white text looks on a background with the XYZ color 33.3662, 18.6262,

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

33.3662, 18.6262, 72.3576

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.5760, 19.0210, 66.2580



Tritanopia

22.1730, 18.4414, 17.7201

Trichromacy



Original Color

33.3662, 18.6262, 72.3576



Protanomaly

21.7681, 15.9398, 82.0501



Deuteranomaly

20.8859, 16.3585, 68.3864



Tritanomaly

25.0079, 17.7814, 32.2511

Monochromacy



Original Color

33.3662, 18.6262, 72.3576



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.9438, 16.7273, 33.5773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3662, 18.6262, 72.3576 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(176, 67, 224)` looks like.

```
.text, #text, p{  
    color:rgb(176, 67, 224)  
}
```

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(176, 67, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 67, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.3662, 18.6262, 72.3576 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(176, 67, 224) }
```


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

```
.border{ border-color:rgb(176, 67, 224) }
```

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

Here you see how a box with a 4 pixel rgb(176, 67, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 67, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 67, 224);  
box-shadow:4px 4px 4px 4px rgb(176, 67,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3662, 18.6262, 72.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 67, 224) }
```

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

```
.background{ background-color: rgb(176, 67,  
224) }
```

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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