

Converting Colors

XYZ(33.9252, 23.8972, 63.1252)

Have a look what the booklet for
XYZ(33.9252, 23.8972, 63.1252)
contains.

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Color

**XYZ(33.9999, 24.0031,
63.1627)**

Conversions

Conversions Part 1

Format	Color
Hex	AD6BD1
RGB	173, 107, 209
RGB Percent	68%, 42%, 82%
CMY	0.3216, 0.5804, 0.1804
CMYK	0.17, 0.49, 0.00, 0.18
HSL	279°, 53%, 62%
HSV	279°, 49%, 82%
XYZ	33.9999, 24.0031, 63.1627
YIQ	138.3620, 6.5940, 45.7140

Conversions

Conversions Part 2

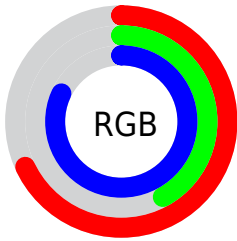
Format	Color
R _{YB}	173, 107, 209
Decimal	11365329
CIE _{Lab}	56.09, 44.20, -42.51
CIE _{LCh}	56, 61.321, 316.119
Y _{xy}	24.0031, 0.2806, 0.1981
Android (android.graphics.Color)	4289555409 (0xFFAD6BD1)
Y _{UV}	138.3620, 34.8245, 30.3775
Hunter-Lab	48.9930, 38.1369, -42.1428

Details

The XYZ color **33.9999, 24.0031, 63.1627** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.7827, 52.5027, 22.1063**, and the grayscale version is **24.1658, 25.4243, 27.6871**.

A 20% lighter version of the original color is **63.2539, 49.1846, 100.7675**, and **14.7181, 9.0130, 31.5358** is the 20% darker color. If you saturate the color by 10%, you get **30.4923, 19.3422, 62.4483**, and if you desaturate by 10%, it is **38.1259, 29.7655, 64.0579**.

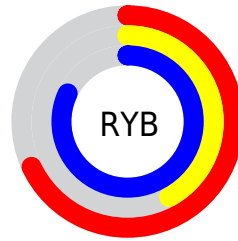
Distribution



Red (68%)

Green (42%)

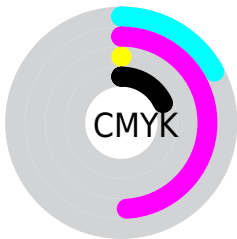
Blue (82%)



Red (68%)

Yellow (42%)

Blue (82%)

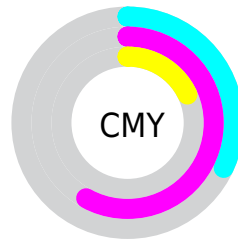


Cyan (17%)

Magenta (49%)

Yellow (0%)

Black (18%)



Cyan (32%)

Magenta (58%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9999, 24.0031, 63.1627 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 33.9999, 24.0031, 63.1627 by changing the saturation by 10% instead.

33.9999, 24.0031,
63.1627

33.9999, 24.0031,
63.1627

311.7175,
272.8362, 454.2839

23.0564, 15.3359,
45.5310

65.2778, 50.0353,
110.9920

14.7561, 9.0555,
31.5299

86.3429, 68.1690,
142.0268

8.7336, 4.7774,
20.7408

111.5126, 90.2271,
178.3663

4.6235, 2.1172,
12.7453

141.1523,
116.5939, 220.4290

2.0606, 0.6743,
7.1247

175.6273,
147.6538, 268.6336

0.6676, 0.0000,
3.4606

215.3029,

0.0000, 0.0000,

183.7912, 323.3986

1.3344

260.5445,
225.3905, 385.1425

■ 0.0000, 0.0000,
0.0897

■ 0.0000, 0.0000,
0.0000

■ 33.9999, 24.0031,
63.1627

■ 33.9999, 24.0031,
63.1627

■ 30.4923, 19.3422,
62.4483

■ 38.1259, 29.7655,
64.0579

■ 27.5603, 15.7019,
61.9002

■ 42.9038, 36.6966,
65.1439

■ 25.1596, 12.9947,
61.5042

■ 48.3676, 44.8616,
66.4319

■ 23.2370, 11.1165,
61.2430

■ 54.5480, 54.3200,
67.9318

■ 21.7087, 9.9021,
61.0891

■ 61.4737, 65.1274,
69.6529

■ 21.5385, 9.7740,
61.0734

■ 69.1719, 77.3361,
71.6036

■ 77.6683, 90.9954,
73.7923

■ 80.5518, 93.2815,
74.0816

■ 82.9971, 94.5421,
74.1961

Harmonies

Analogous

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



26.7733, 24.0031, 83.6919



33.9999, 24.0031, 63.1627



38.5988, 24.0031, 36.5571

Triad

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



33.9999, 24.0031, 63.1627



26.2104, 24.0031, 3.6972



12.1431, 24.0031, 38.4127

Complementary

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



33.9999, 24.0031, 63.1627



36.7827, 52.5027, 22.1063

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.



12.0537, 24.0031, 17.9103



33.9999, 24.0031, 63.1627



19.2661, 24.0031, 3.8044

Square

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



33.9999, 24.0031, 63.1627



33.5156, 24.0031, 6.9935



14.3980, 24.0031, 7.4465



14.6742, 24.0031, 65.1061

Rectangle

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



33.9999, 24.0031, 63.1627



39.0513, 24.0031, 22.2251



14.3980, 24.0031, 7.4465



11.8474, 24.0031, 30.4791

Sweetspot

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



34.0008, 24.0041, 63.1632



79.2451, 75.5058, 105.0052



27.6069, 27.7982, 64.2326



16.5321, 15.5074, 22.3718



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.



34.0008, 24.0041, 63.1632



47.3861, 29.7744, 97.8573



41.4485, 28.0298, 55.0935



11.8891, 11.7916, 14.8930



13.3903, 6.0833, 37.6609



0.8331, 0.3836, 2.1097

Inverse Universe

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



36.5108, 26.0548, 29.0922



52.3873, 33.7283, 35.9389



32.2914, 50.0980, 25.9298



11.9786, 11.8762, 13.1631



17.0122, 8.6777, 4.9705



0.9885, 0.5001, 0.4743

Previews

White Background



This preview shows how the XYZ color 33.9999, 24.0031, 63.1627 looks on a white background.

Color Contrast Check

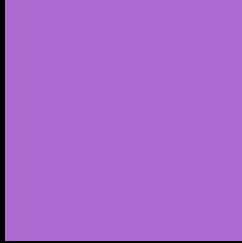
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9999, 24.0031, 63.1627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

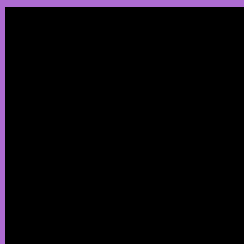
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9999, 24.0031, 63.1627

Background



This preview shows how black text looks on a background with the XYZ color 33.9999, 24.0031, 63.1627.



This preview shows how white text looks on a background with the XYZ color 33.9999, 24.0031,

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

33.9999, 24.0031, 63.1627

Protanopia

26.8545, 24.2263, 78.8621

Deuteranopia

24.9037, 24.2346, 60.4919



Tritanopia

26.3346, 23.9655, 25.7921

Trichromacy



Original Color

33.9999, 24.0031, 63.1627

Protanomaly

28.1640, 23.3117, 72.8272

Deuteranomaly

27.2503, 23.4607, 61.4846

Tritanomaly

28.4285, 23.5294, 36.7615

Monochromacy



Original Color

33.9999, 24.0031, 63.1627

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

27.0527, 24.4384, 38.4132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9999, 24.0031, 63.1627 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(173, 107, 209)` looks like.

```
.text, #text, p{  
    color:rgb(173, 107, 209)  
}
```

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(173, 107, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 107, 209) }
```

Border

The CSS property to change the border of an element to XYZ 33.9999, 24.0031, 63.1627 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(173, 107, 209) }
```


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

```
.border{ border-color:rgb(173, 107, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 107, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 107, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 107, 209);  
box-shadow:4px 4px 4px 4px rgb(173, 107,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9999, 24.0031, 63.1627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 107, 209) }
```

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

```
.background{ background-color: rgb(173,  
107, 209) }
```

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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