

Converting Colors

XYZ(32.9931, 19.4245, 65.3021)

Have a look what the booklet for
XYZ(32.9931, 19.4245, 65.3021)
contains.

XYZ(33.0821, 19.4889, 65.6364)	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(33.0821, 19.4889,
65.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	B24CD6
RGB	178, 76, 214
RGB Percent	70%, 30%, 84%
CMY	0.3020, 0.7019, 0.1608
CMYK	0.17, 0.64, 0.00, 0.16
HSL	284°, 63%, 57%
HSV	284°, 64%, 84%
XYZ	33.0821, 19.4889, 65.6364
YIQ	122.2300, 16.4940, 64.5420

Conversions

Conversions Part 2

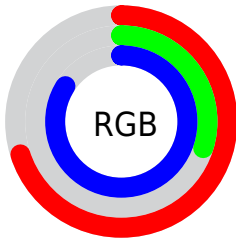
Format	Color
RYB	178, 76, 214
Decimal	11685078
CIELab	51.25, 61.82, -52.99
CIElCh	51, 81.428, 319.397
Yxy	19.4889, 0.2799, 0.1649
Android (android.graphics.Color)	4289875158 (0xFFB24CD6)
YUV	122.2300, 45.2426, 48.9103
Hunter-Lab	44.1462, 56.5076, -57.2497

Details

The XYZ color **33.0821, 19.4889, 65.6364** 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 **32.0337, 52.0601, 15.1984**, and the grayscale version is **18.4277, 19.3873, 21.1128**.

A 20% lighter version of the original color is **61.0914, 41.4571, 99.3899**, and **14.1544, 6.7289, 32.9005** is the 20% darker color. If you saturate the color by 10%, you get **30.5906, 16.3681, 65.1657**, and if you desaturate by 10%, it is **36.1175, 23.6184, 66.2738**.

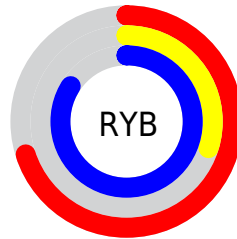
Distribution



Red (70%)

Green (30%)

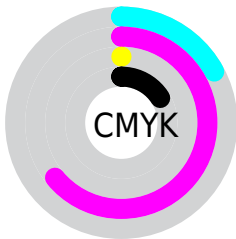
Blue (84%)



Red (70%)

Yellow (30%)

Blue (84%)

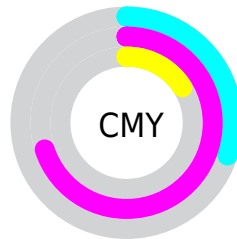


Cyan (17%)

Magenta (64%)

Yellow (0%)

Black (16%)



Cyan (30%)

Magenta (70%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0821, 19.4889, 65.6364 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 33.0821, 19.4889, 65.6364 by changing the saturation by 10% instead.

33.0821, 19.4889,
65.6364

33.0821, 19.4889,
65.6364

307.6780,
249.1346, 463.4441

22.3489, 12.0241,
47.5227

63.8575, 42.5586,
114.5863

14.2315, 6.7601,
33.0917

84.6304, 58.9323,
146.2596

8.3646, 3.3125,
21.9250

109.4806, 79.0444,
183.2899

4.3829, 1.2970,
13.6040

138.7734,
103.2792, 226.0956

1.9210, 0.1389,
7.7102

172.8742,
132.0213, 275.0953

0.5890, 0.0000,
3.8250

212.1483,

0.0000, 0.0000,

165.6550, 330.7076

1.5298

256.9611,
204.5646, 393.3510

■ 0.0000, 0.0000,
0.2400

■ 0.0000, 0.0000,
0.0000

■ 33.0821, 19.4889,
65.6364

■ 33.0821, 19.4889,
65.6364

■ 30.5906, 16.3681,
65.1657

■ 36.1175, 23.6184,
66.2738

■ 28.5891, 14.1519,
64.8434

■ 39.7389, 28.8423,
67.0913

■ 27.0160, 12.7168,
64.6493

■ 43.9866, 35.2397,
68.1022

■ 26.2727, 12.1419,
64.5775

■ 48.8966, 42.8816,
69.3185

■ 54.5019, 51.8333,
70.7509

■ 60.8333, 62.1556,
72.4096

■ 67.9197, 73.9053,
74.3040

■ 75.7883, 87.1360,
76.4431

■ 79.9702, 92.9091,
77.3370

Harmonies

Analogous

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



24.2064, 19.4889, 97.4839



33.0821, 19.4889, 65.6364



38.4926, 19.4889, 30.5543

Triad

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



33.0821, 19.4889, 65.6364



21.5467, 19.4889, 0.5825



7.3566, 19.4889, 39.7990

Complementary

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



33.0821, 19.4889, 65.6364



32.0337, 52.0601, 15.1984

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.



7.0269, 19.4889, 14.0116



33.0821, 19.4889, 65.6364



13.8081, 19.4889, 0.8084

Square

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



33.0821, 19.4889, 65.6364



30.6527, 19.4889, 2.1589



9.0201, 19.4889, 3.3970



10.1088, 19.4889, 76.4738

Rectangle

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



33.0821, 19.4889, 65.6364



38.5855, 19.4889, 14.7258



9.0201, 19.4889, 3.3970



6.9971, 19.4889, 29.3883

Sweetspot

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



33.0829, 19.4897, 65.6368



76.9960, 70.5691, 104.1708



21.0016, 18.1581, 66.0166



15.9725, 14.2959, 22.1675



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.



33.0829, 19.4897, 65.6368



44.4374, 23.1183, 96.7279



38.7394, 22.8348, 46.5141



12.6222, 12.4621, 15.6777



15.9821, 7.3916, 39.0375



1.0394, 0.4847, 2.3581

Inverse Universe

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



33.2412, 20.6355, 17.5610



45.5935, 25.4750, 17.2291



29.7451, 50.7170, 22.4657



12.5549, 12.4735, 13.5964



17.2273, 8.8272, 3.2352



1.0732, 0.5461, 0.3749

Previews

White Background



This preview shows how the XYZ color 33.0821, 19.4889, 65.6364 looks on a white background.

Color Contrast Check

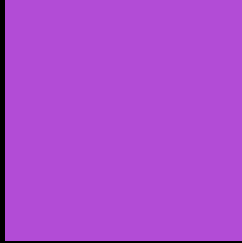
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0821, 19.4889, 65.6364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

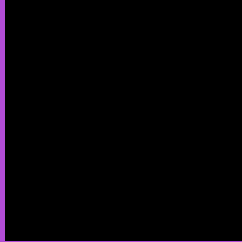
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0821, 19.4889, 65.6364

Background



This preview shows how black text looks on a background with the XYZ color 33.0821, 19.4889, 65.6364.

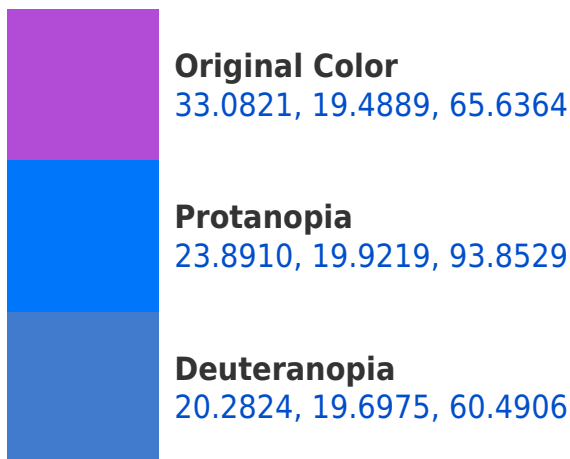


This preview shows how white text looks on a background with the XYZ color 33.0821, 19.4889,

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





Tritanopia

23.2956, 19.3095, 18.4189

Trichromacy



Original Color

33.0821, 19.4889, 65.6364



Protanomaly

22.4628, 16.9974, 82.9858



Deuteranomaly

22.4831, 17.9263, 61.9496



Tritanomaly

25.7457, 18.7113, 31.1088

Monochromacy



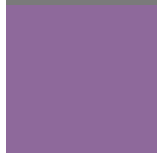
Original Color

33.0821, 19.4889, 65.6364



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.1233, 18.2205, 33.3612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0821, 19.4889, 65.6364 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(178, 76, 214)` looks like.

```
.text, #text, p{  
    color:rgb(178, 76, 214)  
}
```

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(178, 76, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 76, 214) }
```

Border

The CSS property to change the border of an element to XYZ 33.0821, 19.4889, 65.6364 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(178, 76, 214) }
```


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

```
.border{ border-color:rgb(178, 76, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 76, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 76, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 76, 214);  
box-shadow:4px 4px 4px 4px rgb(178, 76,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0821, 19.4889, 65.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 76, 214) }
```

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

```
.background{ background-color: rgb(178, 76,  
214) }
```

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