

Converting Colors

XYZ(22.4989, 8.4608, 32.8024)

Have a look what the booklet for
XYZ(22.4989, 8.4608, 32.8024)
contains.

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Color

**XYZ(24.0761, 11.6987,
33.3369)**

Conversions

Conversions Part 1

Format	Color
Hex	B0009E
RGB	176, 0, 158
RGB Percent	69%, 0%, 62%
CMY	0.3098, 0.9999, 0.3804
CMYK	0.00, 1.00, 0.10, 0.31
HSL	306°, 100%, 35%
HSV	306°, 100%, 69%
XYZ	24.0761, 11.6987, 33.3369
YIQ	70.6360, 54.1780, 86.4500

Conversions

Conversions Part 2

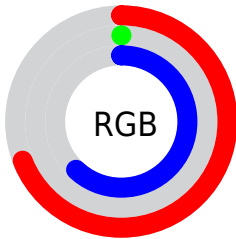
Format	Color
R_{YB}	176, 0, 158
Decimal	11534494
CIE _{Lab}	40.73, 71.82, -36.98
CIE _{LCh}	41, 80.786, 332.756
Yxy	11.6987, 0.3484, 0.1693
Android (android.graphics.Color)	4289724574 (0xFFB0009E)
YUV	70.6360, 43.0705, 92.4042
Hunter-Lab	34.2034, 65.7921, -33.8457

Details

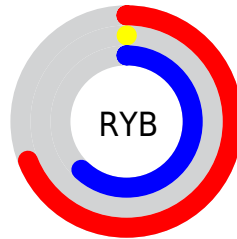
The XYZ color **24.0761, 11.6987, 33.3369** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.6351, 31.0950, 5.7510**, and the grayscale version is **5.8533, 6.1582, 6.7062**.

A 20% lighter version of the original color is **49.4415, 28.8069, 65.9052**, and **10.2093, 4.9625, 14.0554** is the 20% darker color. If you saturate the color by 10%, you get **24.0762, 11.6988, 33.3362**, and if you desaturate by 10%, it is **24.4427, 12.1817, 34.2294**.

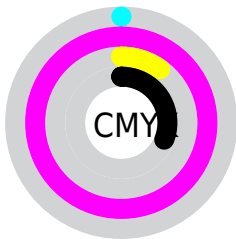
Distribution



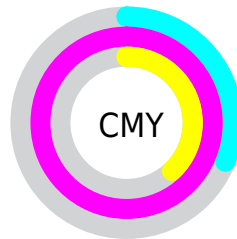
- Red (69%)
- Green (0%)
- Blue (62%)



- Red (69%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0761, 11.6987, 33.3369 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 24.0761, 11.6987, 33.3369 by changing the saturation by 10% instead.


 24.0761, 11.6987,
33.3369


 24.0761, 11.6987,
33.3369


265.6383,
202.4003, 331.8435


 15.5151, 6.5389,
22.1114


 49.6081, 28.9451,
66.0232


 9.2704, 3.1754,
13.7397


 67.3099, 41.8005,
88.3211


 4.9765, 1.2240,
7.8032


 88.7893, 57.9899,
115.1470

 2.2681, 0.0812,
3.8833

 114.4117, 77.8977,
146.9192

 0.7783, 0.0000,
1.5615

 144.5424,
101.9082, 184.0565

 0.0000, 0.0000,
0.2632

 179.5469,

 0.0000, 0.0000,

130.4059, 226.9773

0.0000

219.7904,
163.7751, 276.1001

■ 24.0761, 11.6987,
33.3369

■ 24.0761, 11.6987,
33.3369

■ 24.0762, 11.6988,
33.3362

■ 24.4427, 12.1817,
34.2294

■ 24.9984, 13.0397,
35.1961

■ 25.8165, 14.4187,
36.2615

■ 26.9311, 16.3871,
37.4371

■ 28.3713, 19.0029,
38.7326

■ 30.1625, 22.3172,
40.1566

■ 32.3278, 26.3758,
41.7168

■ 34.8882, 31.2209,
43.4201

■ 37.8631, 36.8913,
45.2733

Harmonies

Analogous

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



18.2110, 11.6987, 61.9832



24.0761, 11.6987, 33.3369



26.1582, 11.6987, 11.2800

Triad

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



24.0761, 11.6987, 33.3369



10.5978, 11.6987, 0.0000



4.1879, 11.6987, 38.5811

Complementary

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



24.0761, 11.6987, 33.3369



15.6351, 31.0950, 5.7510

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.



3.3446, 11.6987, 14.3162



24.0761, 11.6987, 33.3369



6.1590, 11.6987, 0.1601

Square

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



24.0761, 11.6987, 33.3369



16.9655, 11.6987, 0.0000



3.9177, 11.6987, 3.0640



6.7989, 11.6987, 66.4432

Rectangle

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



24.0761, 11.6987, 33.3369



24.6918, 11.6987, 4.0148



3.9177, 11.6987, 3.0640



3.7385, 11.6987, 29.2607

Sweetspot

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



24.0765, 11.6993, 33.3371



58.4029, 47.4065, 75.5014



8.0791, 3.2600, 41.2783



12.2921, 9.5883, 16.1049



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.0765, 11.6993, 33.3371



43.6165, 21.1978, 60.2012



19.0235, 9.6781, 6.7281



8.8118, 8.6314, 10.5075



17.6774, 8.5885, 24.5248



0.5669, 0.2745, 0.8280

Inverse Universe

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



24.0765, 11.6993, 33.3371



43.6165, 21.1978, 60.2012



18.1070, 32.0837, 18.7675



8.8118, 8.6314, 10.5075



17.6774, 8.5885, 24.5248



0.5669, 0.2745, 0.8280

Previews

White Background



This preview shows how the XYZ color 24.0761, 11.6987, 33.3369 looks on a white background.

Color Contrast Check

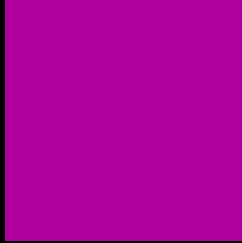
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0761, 11.6987, 33.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

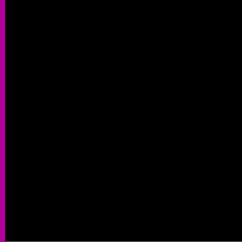
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0761, 11.6987, 33.3369

Background



This preview shows how black text looks on a background with the XYZ color 24.0761, 11.6987, 33.3369.



This preview shows how white text looks on a background with the XYZ color 24.0761, 11.6987,

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

24.0761, 11.6987, 33.3369

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.6146, 12.3693, 29.7396



Tritanopia

18.6423, 12.0541, 6.4984

Trichromacy



Original Color

24.0761, 11.6987, 33.3369



Protanomaly

12.5931, 7.8669, 47.3091



Deuteranomaly

14.0722, 9.1570, 30.7316



Tritanomaly

19.5552, 10.8979, 12.8772

Monochromacy



Original Color

24.0761, 11.6987, 33.3369



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.6932, 6.1073, 13.4999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0761, 11.6987, 33.3369 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, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 158)  
}
```

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, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.0761, 11.6987, 33.3369 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, 0, 158) }
```


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

```
.border{ border-color:rgb(176, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0761, 11.6987, 33.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 158) }
```

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

```
.background{ background-color: rgb(176, 0,  
158) }
```

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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