

Converting Colors

XYZ(23.6320, 11.5198, 31.0575)

Have a look what the booklet for
XYZ(23.6320, 11.5198, 31.0575)
contains.

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Color

**XYZ(23.6543, 11.5300,
31.1158)**

Conversions

Conversions Part 1

Format	Color
Hex	B00099
RGB	176, 0, 153
RGB Percent	69%, 0%, 60%
CMY	0.3098, 0.9999, 0.4000
CMYK	0.00, 1.00, 0.13, 0.31
HSL	308°, 100%, 35%
HSV	308°, 100%, 69%
XYZ	23.6543, 11.5300, 31.1158
YIQ	70.0660, 55.7830, 84.8950

Conversions

Conversions Part 2

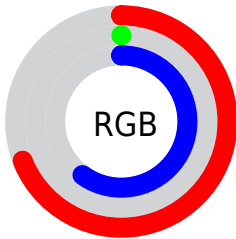
Format	Color
R_{YB}	176, 0, 153
Decimal	11534489
CIE _{Lab}	40.46, 71.15, -34.39
CIE _{LCh}	40, 79.023, 334.201
Yxy	11.5300, 0.3568, 0.1739
Android (android.graphics.Color)	4289724569 (0xFFB00099)
YUV	70.0660, 40.8865, 92.9041
Hunter-Lab	33.9559, 64.9238, -30.5619

Details

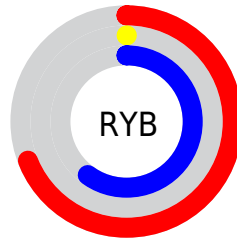
The XYZ color **23.6543, 11.5300, 31.1158** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.6806, 31.1131, 5.9907**, and the grayscale version is **5.7622, 6.0623, 6.6018**.

A 20% lighter version of the original color is **48.8164, 28.5569, 62.6136**, and **9.9567, 4.8615, 12.7255** is the 20% darker color. If you saturate the color by 10%, you get **23.6543, 11.5300, 31.1148**, and if you desaturate by 10%, it is **24.0566, 12.0273, 32.1965**.

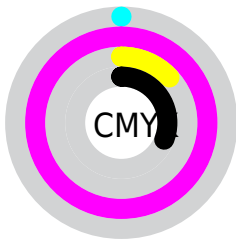
Distribution



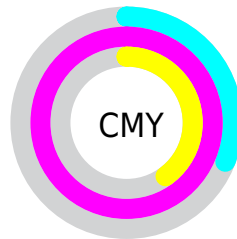
- Red (69%)
- Green (0%)
- Blue (60%)



- Red (69%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6543, 11.5300, 31.1158 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 23.6543, 11.5300, 31.1158 by changing the saturation by 10% instead.


 23.6543, 11.5300,
31.1158


 23.6543, 11.5300,
31.1158


263.5411,
201.2684, 321.4392


 15.2007, 6.4245,
20.4278


 48.9243, 28.6361,
62.5041


 9.0476, 3.1049,
12.5193


 66.4714, 41.4056,
84.0414


 4.8296, 1.1867,
6.9715


 87.7804, 57.4985,
110.0324

 2.1814, 0.0508,
3.3661

 113.2166, 77.2992,
140.8954

 0.7329, 0.0000,
1.2845

 143.1454,
101.1922, 177.0490

 0.0000, 0.0000,
0.0490

 177.9322,

 0.0000, 0.0000,

129.5618, 218.9118

0.0000

217.9423,
162.7924, 266.9024

■ 23.6543, 11.5300,
31.1158

■ 23.6543, 11.5300,
31.1158

■ 23.6543, 11.5300,
31.1148

■ 24.0566, 12.0273,
32.1965

■ 24.6495, 12.9002,
33.3588

■ 25.5062, 14.2947,
34.6273

■ 26.6608, 16.2792,
36.0135

■ 28.1424, 18.9116,
37.5272

■ 29.9766, 22.2431,
39.1769

■ 32.1862, 26.3195,
40.9704

■ 34.7924, 31.1830,
42.9149

■ 37.8147, 36.8724,
45.0170

Harmonies

Analogous

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



18.1216, 11.5300, 58.6195



23.6543, 11.5300, 31.1158



25.4261, 11.5300, 10.4451

Triad

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



23.6543, 11.5300, 31.1158



10.1954, 11.5300, 0.0000



4.2884, 11.5300, 38.7746

Complementary

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



23.6543, 11.5300, 31.1158



15.6806, 31.1131, 5.9907

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.



3.3877, 11.5300, 14.9296



23.6543, 11.5300, 31.1158



5.9868, 11.5300, 0.3076

Square

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



23.6543, 11.5300, 31.1158



16.2928, 11.5300, 0.0000



3.8835, 11.5300, 3.3953



6.9383, 11.5300, 65.1014

Rectangle

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



23.6543, 11.5300, 31.1158



23.8652, 11.5300, 3.7290



3.8835, 11.5300, 3.3953



3.8208, 11.5300, 29.7213

Sweetspot

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



23.6547, 11.5306, 31.1160



58.1415, 47.3019, 74.1246



8.1366, 3.2897, 41.2809



12.2282, 9.5627, 15.7685



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.



23.6547, 11.5306, 31.1160



42.8404, 20.8874, 56.1141



18.9325, 9.6417, 6.2491



8.8013, 8.6272, 10.4520



17.3707, 8.4658, 22.9099



0.5598, 0.2717, 0.7905

Inverse Universe

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



23.6547, 11.5306, 31.1160



42.8404, 20.8874, 56.1141



18.2615, 32.1454, 19.5812



8.8013, 8.6272, 10.4520



17.3707, 8.4658, 22.9099



0.5598, 0.2717, 0.7905

Previews

White Background



This preview shows how the XYZ color 23.6543, 11.5300, 31.1158 looks on a white background.

Color Contrast Check

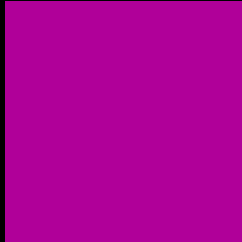
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6543, 11.5300, 31.1158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

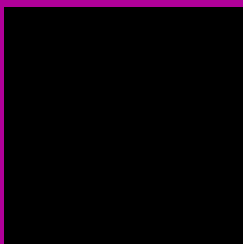
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6543, 11.5300, 31.1158

Background



This preview shows how black text looks on a background with the XYZ color 23.6543, 11.5300, 31.1158.



This preview shows how white text looks on a background with the XYZ color 23.6543, 11.5300,

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

23.6543, 11.5300, 31.1158

Protanopia

14.4280, 12.1755, 56.2333

Deuteranopia

12.4506, 12.1827, 28.0808



Tritanopia

18.6897, 11.9267, 6.1675

Trichromacy



Original Color

23.6543, 11.5300, 31.1158



Protanomaly

12.2775, 7.7406, 45.6467



Deuteranomaly

13.9285, 9.1292, 28.6318



Tritanomaly

19.5990, 10.8887, 12.1351

Monochromacy



Original Color

23.6543, 11.5300, 31.1158



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5453, 6.0481, 12.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6543, 11.5300, 31.1158 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 23.6543, 11.5300, 31.1158 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, 153) }
```


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

```
.border{ border-color:rgb(176, 0, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6543, 11.5300, 31.1158 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, 153) }
```

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

```
.background{ background-color: rgb(176, 0,  
153) }
```

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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