

Converting Colors

XYZ(22.5275, 8.8036, 37.1396)

Have a look what the booklet for
XYZ(22.5275, 8.8036, 37.1396)
contains.

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Color

**XYZ(23.7696, 11.4479,
37.5161)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00A7
RGB	171, 0, 167
RGB Percent	67%, 0%, 65%
CMY	0.3294, 0.9999, 0.3451
CMYK	0.00, 1.00, 0.02, 0.33
HSL	301°, 100%, 34%
HSV	301°, 100%, 67%
XYZ	23.7696, 11.4479, 37.5161
YIQ	70.1670, 48.3090, 88.1890

Conversions

Conversions Part 2

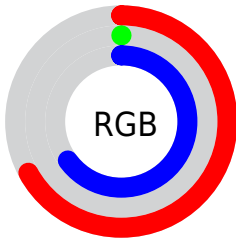
Format	Color
R_{YB}	171, 0, 167
Decimal	11206823
CIE _{Lab}	40.32, 72.24, -43.10
CIE _{LCh}	40, 84.116, 329.178
Yxy	11.4479, 0.3268, 0.1574
Android (android.graphics.Color)	4289396903 (0xFFAB00A7)
YUV	70.1670, 47.7387, 88.4305
Hunter-Lab	33.8347, 66.1891, -42.0567

Details

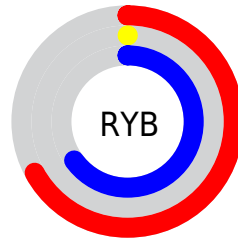
The XYZ color **23.7696, 11.4479, 37.5161** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.5853, 29.1351, 4.9703**, and the grayscale version is **5.7685, 6.0689, 6.6090**.

A 20% lighter version of the original color is **49.1227, 28.4914, 72.7224**, and **9.9767, 4.7923, 16.3188** is the 20% darker color. If you saturate the color by 10%, you get **23.7698, 11.4481, 37.5161**, and if you desaturate by 10%, it is **24.0092, 11.8674, 37.7788**.

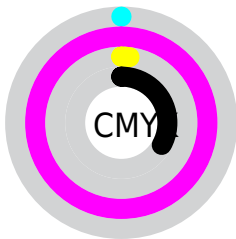
Distribution



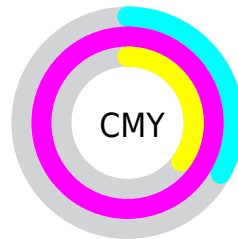
- Red (67%)
- Green (0%)
- Blue (65%)



- Red (67%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7696, 11.4479, 37.5161 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 23.7696, 11.4479, 37.5161 by changing the saturation by 10% instead.


 23.7696, 11.4479,
37.5161


 23.7696, 11.4479,
37.5161


264.1157,
200.7152, 350.7753


 15.2866, 6.3689,
25.3084


 49.1114, 28.4855,
72.5610

 9.1084, 3.0707,
16.0859


 66.7009, 41.2129,
96.2353


 4.8696, 1.1688,
9.4299


 88.0566, 57.2586,
124.5689

 2.2049, 0.0360,
4.9220

 113.5438, 77.0070,
157.9804

 0.7453, 0.0000,
2.1436

 143.5280,
100.8424, 196.8882

 0.0000, 0.0000,
0.6416

 178.3745,

 0.0000, 0.0000,

129.1494, 241.7109

0.0000

218.4486,
162.3121, 292.8671

■ 23.7696, 11.4479,
37.5161

■ 23.7696, 11.4479,
37.5161

■ 23.7698, 11.4481,
37.5161

■ 24.0092, 11.8674,
37.7788

■ 24.4224, 12.6343,
38.0999

■ 25.0791, 13.8882,
38.5027

■ 26.0113, 15.6926,
38.9979

■ 27.2457, 18.1015,
39.5945

■ 28.8063, 21.1623,
40.3003

■ 30.7143, 24.9180,
41.1224

■ 32.9894, 29.4076,
42.0676

■ 35.6496, 34.6673,
43.1416

Harmonies

Analogous

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



17.3783, 11.4479, 67.5244



23.7696, 11.4479, 37.5161



26.5596, 11.4479, 12.9355

Triad

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



23.7696, 11.4479, 37.5161



11.0440, 11.4479, 0.0000



3.6922, 11.4479, 35.8623

Complementary

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



23.7696, 11.4479, 37.5161



14.5853, 29.1351, 4.9703

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.



3.0376, 11.4479, 12.0056



23.7696, 11.4479, 37.5161



6.2461, 11.4479, 0.0000

Square

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



23.7696, 11.4479, 37.5161



17.7654, 11.4479, 0.0000



3.7717, 11.4479, 2.1446



6.0539, 11.4479, 66.1005

Rectangle

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



23.7696, 11.4479, 37.5161



25.4400, 11.4479, 4.5651



3.7717, 11.4479, 2.1446



3.3131, 11.4479, 26.4195

Sweetspot

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



23.7701, 11.4484, 37.5163



54.8059, 44.2298, 73.5622



7.3869, 2.9592, 38.7104



11.8958, 9.2211, 16.2655



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7701, 11.4484, 37.5163



42.5584, 20.4980, 67.1269



18.3432, 9.2777, 8.9388



8.3289, 8.1448, 10.0426



17.9216, 8.6312, 28.2963



0.5010, 0.2411, 0.8002

Inverse Universe

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



23.7701, 11.4484, 37.5163



42.5584, 20.4980, 67.1269



16.3397, 29.8368, 14.2085



8.3289, 8.1448, 10.0426



17.9216, 8.6312, 28.2963



0.5010, 0.2411, 0.8002

Previews

White Background



This preview shows how the XYZ color 23.7696, 11.4479, 37.5161 looks on a white background.

Color Contrast Check

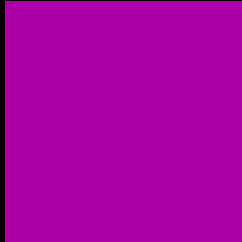
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7696, 11.4479, 37.5161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

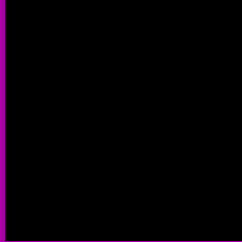
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7696, 11.4479, 37.5161

Background



This preview shows how black text looks on a background with the XYZ color 23.7696, 11.4479, 37.5161.



This preview shows how white text looks on a background with the XYZ color 23.7696, 11.4479,

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

23.7696, 11.4479, 37.5161

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.4401, 12.1938, 33.5963



Tritanopia

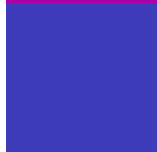
17.7516, 11.9157, 7.1587

Trichromacy



Original Color

23.7696, 11.4479, 37.5161



Protanomaly

12.5721, 7.8437, 47.8651



Deuteranomaly

13.6351, 8.8432, 34.7065



Tritanomaly

18.8948, 10.6752, 14.4292

Monochromacy



Original Color

23.7696, 11.4479, 37.5161



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5516, 6.0225, 14.0236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7696, 11.4479, 37.5161 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(171, 0, 167)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 167)  
}
```

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(171, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.7696, 11.4479, 37.5161 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(171, 0, 167) }
```


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

```
.border{ border-color:rgb(171, 0, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7696, 11.4479, 37.5161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 167) }
```

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

```
.background{ background-color: rgb(171, 0,  
167) }
```

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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