

Converting Colors

XYZ(23.8083, 11.5243, 34.9659)

Have a look what the booklet for
XYZ(23.8083, 11.5243, 34.9659)
contains.

XYZ(23.7552, 11.4929, 35.1487)	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(23.7552, 11.4929,
35.1487)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00A2
RGB	173, 0, 162
RGB Percent	68%, 0%, 64%
CMY	0.3216, 0.9999, 0.3647
CMYK	0.00, 1.00, 0.06, 0.32
HSL	304°, 100%, 34%
HSV	304°, 100%, 68%
XYZ	23.7552, 11.4929, 35.1487
YIQ	70.1950, 51.1060, 87.0580

Conversions

Conversions Part 2

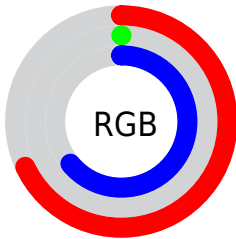
Format	Color
R_{YB}	173, 0, 162
Decimal	11337890
CIE _{Lab}	40.40, 71.85, -39.96
CIE _{LCh}	40, 82.218, 330.921
Yxy	11.4929, 0.3374, 0.1633
Android (android.graphics.Color)	4289527970 (0xFFAD00A2)
YUV	70.1950, 45.2599, 90.1600
Hunter-Lab	33.9012, 65.7513, -37.7410

Details

The XYZ color **23.7552, 11.4929, 35.1487** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.0046, 29.9119, 5.3000**, and the grayscale version is **5.7771, 6.0780, 6.6189**.

A 20% lighter version of the original color is **48.9734, 28.5062, 68.5667**, and **10.0169, 4.8388, 15.1579** is the 20% darker color. If you saturate the color by 10%, you get **23.7553, 11.4930, 35.1482**, and if you desaturate by 10%, it is **24.0591, 11.9432, 35.7348**.

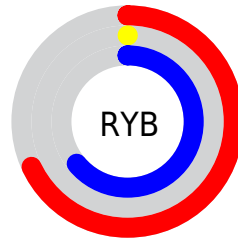
Distribution



Red (68%)

Green (0%)

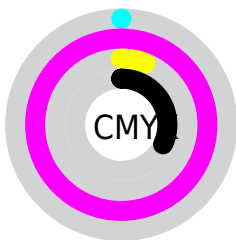
Blue (64%)



Red (68%)

Yellow (0%)

Blue (64%)

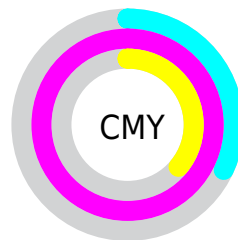


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (32%)



Cyan (32%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7552, 11.4929, 35.1487 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 23.7552, 11.4929, 35.1487 by changing the saturation by 10% instead.


 23.7552, 11.4929,
35.1487


 23.7552, 11.4929,
35.1487


264.0440,
201.0186, 340.1484


 15.2759, 6.3994,
23.4930


 49.0880, 28.5681,
68.8702


 9.1008, 3.0894,
14.7492


 66.6722, 41.3186,
91.7731


 4.8646, 1.1786,
8.4989


 88.0221, 57.3902,
119.2622

 2.2020, 0.0441,
4.3235

 113.5030, 77.1673,
151.7559

 0.7438, 0.0000,
1.8044

 143.4803,
101.0343, 189.6728

 0.0000, 0.0000,
0.4309

 178.3193,

 0.0000, 0.0000,

129.3756, 233.4315

0.0000

218.3854,
162.5755, 283.4505

■ 23.7552, 11.4929,
35.1487

■ 23.7552, 11.4929,
35.1487

■ 23.7553, 11.4930,
35.1482

■ 24.0591, 11.9432,
35.7348

■ 24.5427, 12.7518,
36.3848

■ 25.2773, 14.0609,
37.1228

■ 26.2954, 15.9358,
37.9596

■ 27.6249, 18.4321,
38.9044

■ 29.2903, 21.5988,
39.9655

■ 31.3135, 25.4797,
41.1501

■ 33.7148, 30.1153,
42.4651

■ 36.5127, 35.5429,
43.9165

Harmonies

Analogous

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



17.6661, 11.4929, 64.2721



23.7552, 11.4929, 35.1487



26.1756, 11.4929, 12.0104

Triad

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



23.7552, 11.4929, 35.1487



10.7464, 11.4929, 0.0000



3.9074, 11.4929, 36.9379

Complementary

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



23.7552, 11.4929, 35.1487



15.0046, 29.9119, 5.3000

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.



3.1668, 11.4929, 13.0311



23.7552, 11.4929, 35.1487



6.1608, 11.4929, 0.0000

Square

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



23.7552, 11.4929, 35.1487



17.2443, 11.4929, 0.0000



3.8183, 11.4929, 2.5579



6.3739, 11.4929, 65.8032

Rectangle

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



23.7552, 11.4929, 35.1487



24.8913, 11.4929, 4.2570



3.8183, 11.4929, 2.5579



3.4971, 11.4929, 27.6150

Sweetspot

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



23.7556, 11.4935, 35.1489



55.8691, 45.2259, 73.5775



7.6517, 3.0736, 39.7257



11.8070, 9.1856, 15.7975



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.



23.7556, 11.4935, 35.1489



42.5135, 20.5709, 62.7870



18.6042, 9.4329, 8.0220



8.3148, 8.1392, 9.9683



17.4596, 8.4464, 25.8634



0.4922, 0.2375, 0.7535

Inverse Universe

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



23.7556, 11.4935, 35.1489



42.5135, 20.5709, 62.7870



17.0169, 30.7168, 15.8967



8.3148, 8.1392, 9.9683



17.4596, 8.4464, 25.8634



0.4922, 0.2375, 0.7535

Previews

White Background



This preview shows how the XYZ color 23.7552, 11.4929, 35.1487 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 23.7552, 11.4929, 35.1487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

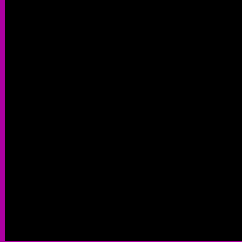
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7552, 11.4929, 35.1487

Background



This preview shows how black text looks on a background with the XYZ color 23.7552, 11.4929, 35.1487.



This preview shows how white text looks on a background with the XYZ color 23.7552, 11.4929,

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

23.7552, 11.4929, 35.1487

Protanopia

14.4280, 12.1755, 56.2333

Deuteranopia

12.4894, 12.2676, 31.4154



Tritanopia

18.1866, 11.9767, 6.8220

Trichromacy



Original Color

23.7552, 11.4929, 35.1487



Protanomaly

12.5287, 7.8336, 47.3061



Deuteranomaly

13.7868, 8.9713, 32.4575



Tritanomaly

19.1276, 10.7607, 13.6393

Monochromacy



Original Color

23.7552, 11.4929, 35.1487



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.4500, 5.9818, 13.4885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7552, 11.4929, 35.1487 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, 0, 162)` looks like.

```
.text, #text, p{  
  color:rgb(173, 0, 162)  
}
```

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, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 23.7552, 11.4929, 35.1487 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, 0, 162) }
```


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

```
.border{ border-color:rgb(173, 0, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 0, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7552, 11.4929, 35.1487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 162) }
```

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

```
.background{ background-color: rgb(173, 0,  
162) }
```

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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