

Converting Colors

XYZ(23.1628, 11.4875, 35.0169)

Have a look what the booklet for
XYZ(23.1628, 11.4875, 35.0169)
contains.

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Color

**XYZ(23.2996, 11.5556,
35.1848)**

Conversions

Conversions Part 1

Format	Color
Hex	AA11A2
RGB	170, 17, 162
RGB Percent	67%, 7%, 64%
CMY	0.3333, 0.9333, 0.3647
CMYK	0.00, 0.90, 0.05, 0.33
HSL	303°, 82%, 37%
HSV	303°, 90%, 67%
XYZ	23.2996, 11.5556, 35.1848
YIQ	79.2770, 44.6430, 77.5310

Conversions

Conversions Part 2

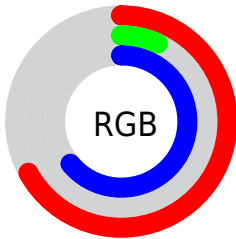
Format	Color
R_{YB}	170, 17, 162
Decimal	11145634
CIE _{Lab}	40.50, 69.39, -39.83
CIE _{LCh}	41, 80.005, 330.143
Yxy	11.5556, 0.3327, 0.1650
Android (android.graphics.Color)	4289335714 (0xFFAA11A2)
YUV	79.2770, 40.7824, 79.5641
Hunter-Lab	33.9935, 62.8575, -37.5723

Details

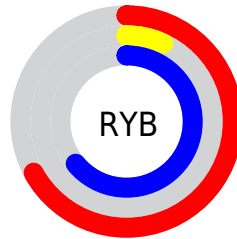
The XYZ color **23.2996, 11.5556, 35.1848** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.7820, 28.9394, 5.7274**, and the grayscale version is **7.4047, 7.7903, 8.4837**.

A 20% lighter version of the original color is **48.3272, 28.6472, 68.6280**, and **9.6245, 4.6365, 15.1395** is the 20% darker color. If you saturate the color by 10%, you get **23.0208, 11.1236, 34.7034**, and if you desaturate by 10%, it is **23.7512, 12.3314, 35.7267**.

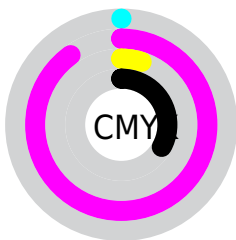
Distribution



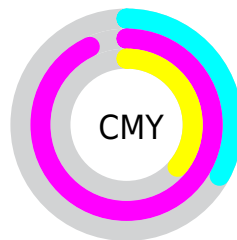
- Red (67%)
- Green (7%)
- Blue (64%)



- Red (67%)
- Yellow (7%)
- Blue (64%)



- Cyan (0%)
- Magenta (90%)
- Yellow (5%)
- Black (33%)





- Cyan (33%)
- Magenta (93%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2996, 11.5556, 35.1848 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 23.2996, 11.5556, 35.1848 by changing the saturation by 10% instead.


 23.2996, 11.5556,
35.1848


 23.2996, 11.5556,
35.1848


261.7668,
201.4406, 340.3123


 14.9368, 6.4418,
23.5206


 48.3478, 28.6831,
68.9268


 8.8611, 3.1156,
14.7695


 65.7640, 41.4656,
91.8416


 4.7071, 1.1924,
8.5129


 86.9287, 57.5732,
119.3437

 2.1094, 0.0555,
4.3324

 112.2072, 77.3902,
151.8516

 0.6943, 0.0000,
1.8094

 141.9649,
101.3011, 189.7839

 0.0000, 0.0000,
0.4342

 176.5671,

 0.0000, 0.0000,

129.6902, 233.5591

0.0000

216.3793,
162.9419, 283.5957

■ 23.2996, 11.5556,
35.1848

■ 23.2996, 11.5556,
35.1848

■ 23.0208, 11.1236,
34.7034

■ 23.7512, 12.3314,
35.7267

■ 23.0205, 11.1233,
34.7030

■ 24.4431, 13.5874,
36.3514

■ 25.4071, 15.3867,
37.0696

■ 26.6698, 17.7825,
37.8901

■ 28.2545, 20.8215,
38.8208

■ 30.1825, 24.5459,
39.8686

■ 32.4728, 28.9943,
41.0401

■ 35.1436, 34.2025,
42.3411

■ 38.2113, 40.2038,
43.7772

Harmonies

Analogous

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



17.3649, 11.5556, 62.9372



23.2996, 11.5556, 35.1848



25.7529, 11.5556, 12.5047

Triad

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



23.2996, 11.5556, 35.1848



10.9562, 11.5556, 0.0000



4.0301, 11.5556, 35.4521

Complementary

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



23.2996, 11.5556, 35.1848



14.7820, 28.9394, 5.7274

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.



3.3254, 11.5556, 12.6598



23.2996, 11.5556, 35.1848



6.3950, 11.5556, 0.0449

Square

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



23.2996, 11.5556, 35.1848



17.3013, 11.5556, 0.0310



4.0162, 11.5556, 2.5991



6.4278, 11.5556, 63.1644

Rectangle

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



23.2996, 11.5556, 35.1848



24.6020, 11.5556, 4.6412



4.0162, 11.5556, 2.5991



3.6330, 11.5556, 26.5616

Sweetspot

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



23.3001, 11.5562, 35.1850



55.7389, 46.4287, 72.8468



7.8491, 3.5061, 38.2937



12.1445, 9.8005, 16.0956



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.



23.3001, 11.5562, 35.1850



41.7420, 20.1714, 62.8282



18.4525, 9.6171, 9.6580



7.8247, 7.6597, 9.3941



16.9405, 8.1849, 25.5619



0.4171, 0.2011, 0.6480

Inverse Universe

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



23.3001, 11.5562, 35.1850



41.7420, 20.1714, 62.8282



16.9630, 29.8118, 17.2125



7.8247, 7.6597, 9.3941



16.9405, 8.1849, 25.5619



0.4171, 0.2011, 0.6480

Previews

White Background



This preview shows how the XYZ color 23.2996, 11.5556, 35.1848 looks on a white background.

Color Contrast Check

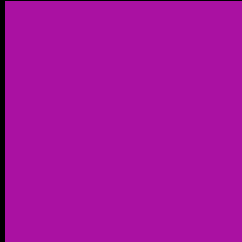
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2996, 11.5556, 35.1848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

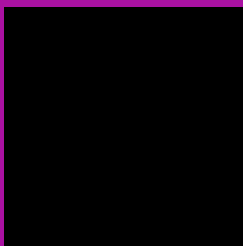
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2996, 11.5556, 35.1848

Background



This preview shows how black text looks on a background with the XYZ color 23.2996, 11.5556, 35.1848.



This preview shows how white text looks on a background with the XYZ color 23.2996, 11.5556,

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

23.2996, 11.5556, 35.1848

Deuteranopia

12.2569, 12.0097, 31.3779

Tritanopia

17.4617, 11.6838, 6.9651

Trichromacy



Original Color

23.2996, 11.5556, 35.1848

Deuteranomaly

13.7768, 9.4776, 32.5557

Tritanomaly

18.8150, 10.9857, 13.9608

Monochromacy



Original Color

23.2996, 11.5556, 35.1848

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.8566, 7.3772, 15.3197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2996, 11.5556, 35.1848 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(170, 17, 162)` looks like.

```
.text, #text, p{  
    color:rgb(170, 17, 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(170, 17, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 17, 162) }
```

Border

The CSS property to change the border of an element to XYZ 23.2996, 11.5556, 35.1848 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(170, 17, 162) }
```

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

```
.border{ border-color:rgb(170, 17, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 17, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 17, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 17, 162);  
box-shadow:4px 4px 4px 4px rgb(170, 17,  
162) }
```


Background

The CSS property to change the background color of an element to XYZ 23.2996, 11.5556, 35.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 17, 162) }
```

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

```
.background{ background-color: rgb(170, 17,  
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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