

Converting Colors

XYZ(23.1922, 11.4427, 37.6504)

Have a look what the booklet for
XYZ(23.1922, 11.4427, 37.6504)
contains.

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Color

**XYZ(23.1118, 11.4064,
37.5427)**

Conversions

Conversions Part 1

Format	Color
Hex	A711A7
RGB	167, 17, 167
RGB Percent	65%, 7%, 65%
CMY	0.3451, 0.9333, 0.3451
CMYK	0.00, 0.90, 0.00, 0.35
HSL	300°, 82%, 36%
HSV	300°, 90%, 65%
XYZ	23.1118, 11.4064, 37.5427
YIQ	78.9500, 41.2500, 78.4500

Conversions

Conversions Part 2

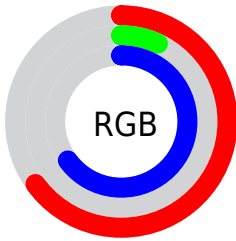
Format	Color
R_{YB}	167, 17, 167
Decimal	10949031
CIE _{Lab}	40.26, 69.60, -43.25
CIE _{LCh}	40, 81.940, 328.141
Yxy	11.4064, 0.3207, 0.1583
Android (android.graphics.Color)	4289139111 (0xFFA711A7)
YUV	78.9500, 43.4087, 77.2198
Hunter-Lab	33.7734, 63.0478, -42.2658

Details

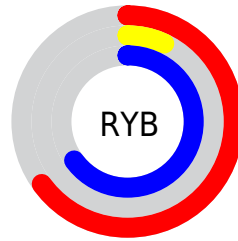
The XYZ color **23.1118, 11.4064, 37.5427** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.1516, 27.7976, 5.1505**, and the grayscale version is **7.3378, 7.7199, 8.4070**.

A 20% lighter version of the original color is **48.1730, 28.4759, 72.7694**, and **9.4677, 4.5299, 16.2949** is the 20% darker color. If you saturate the color by 10%, you get **22.9150, 11.0124, 37.4771**, and if you desaturate by 10%, it is **23.4755, 12.1334, 37.6640**.

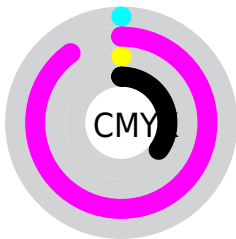
Distribution



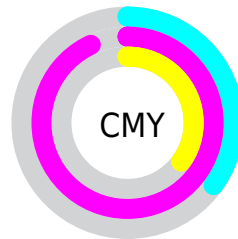
- Red (65%)
- Green (7%)
- Blue (65%)



- Red (65%)
- Yellow (7%)
- Blue (65%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (35%)





- Cyan (35%)
- Magenta (93%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1118, 11.4064, 37.5427 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 23.1118, 11.4064, 37.5427 by changing the saturation by 10% instead.


 23.1118, 11.4064,
37.5427


 23.1118, 11.4064,
37.5427


260.8233,
200.4349, 350.8934


 14.7972, 6.3409,
25.3289


 48.0421, 28.4093,
72.6023


 8.7626, 3.0534,
16.1010


 65.3886, 41.1154,
96.2852


 4.6425, 1.1597,
9.4405


 86.4765, 57.1372,
124.6281

 2.0717, 0.0284,
4.9289

 111.6710, 76.8590,
158.0497

 0.6737, 0.0000,
2.1476

 141.3376,
100.6653, 196.9685

 0.0000, 0.0000,
0.6439

 175.8416,

 0.0000, 0.0000,

128.9405, 241.8030

0.0000

215.5484,
162.0689, 292.9718

■ 23.1118, 11.4064,
37.5427

■ 23.1118, 11.4064,
37.5427

■ 22.9150, 11.0124,
37.4771

■ 23.4755, 12.1334,
37.6640

■ 22.9116, 11.0056,
37.4760

■ 24.0700, 13.3224,
37.8622

■ 24.9256, 15.0335,
38.1475

■ 26.0675, 17.3174,
38.5281

■ 27.5183, 20.2189,
39.0118

■ 29.2979, 23.7781,
39.6050

■ 31.4249, 28.0321,
40.3140

■ 33.9163, 33.0149,
41.1445

■ 36.7880, 38.7584,
42.1018

Harmonies

Analogous

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



16.8952, 11.4064, 65.9842



23.1118, 11.4064, 37.5427



25.9538, 11.4064, 13.4687

Triad

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



23.1118, 11.4064, 37.5427



11.2018, 11.4064, 0.0000



3.7511, 11.4064, 33.9661

Complementary

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



23.1118, 11.4064, 37.5427



14.1516, 27.7976, 5.1505

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.



3.1490, 11.4064, 11.4265



23.1118, 11.4064, 37.5427



6.4400, 11.4064, 0.0000

Square

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



23.1118, 11.4064, 37.5427



17.7387, 11.4064, 0.0000



3.9295, 11.4064, 2.1128



6.0135, 11.4064, 62.9245

Rectangle

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



23.1118, 11.4064, 37.5427



24.9985, 11.4064, 4.9710



3.9295, 11.4064, 2.1128



3.3921, 11.4064, 25.0240

Sweetspot

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



23.1123, 11.4069, 37.5429



53.2986, 44.2416, 71.2054



7.4072, 3.3107, 36.8083



11.6689, 9.3837, 15.8483



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1123, 11.4069, 37.5429



41.0328, 19.7101, 67.1164



18.0693, 9.3897, 10.9869



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6767



0.4266, 0.2049, 0.6977

Inverse Universe

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



23.1123, 11.4069, 37.5429



41.0328, 19.7101, 67.1164



15.9824, 28.5299, 14.7913



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6767



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 23.1118, 11.4064, 37.5427 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 23.1118, 11.4064, 37.5427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

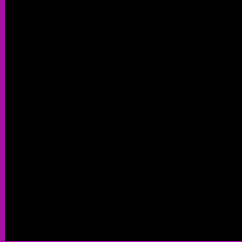
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1118, 11.4064, 37.5427

Background



This preview shows how black text looks on a background with the XYZ color 23.1118, 11.4064, 37.5427.



This preview shows how white text looks on a background with the XYZ color 23.1118, 11.4064,

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

23.1118, 11.4064, 37.5427

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

12.1641, 11.9135, 33.5567



Tritanopia

17.0491, 11.6373, 7.3089

Trichromacy



Original Color

23.1118, 11.4064, 37.5427



Protanomaly

12.6777, 8.3179, 47.3917



Deuteranomaly

13.5371, 9.3041, 34.8006



Tritanomaly

18.3978, 10.8143, 14.7534

Monochromacy



Original Color

23.1118, 11.4064, 37.5427



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

10.8390, 7.3556, 15.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1118, 11.4064, 37.5427 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(167, 17, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 17, 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(167, 17, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 17, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.1118, 11.4064, 37.5427 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(167, 17, 167) }
```


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

```
.border{ border-color:rgb(167, 17, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 17, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 17, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 17, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 17,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1118, 11.4064, 37.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 17, 167) }
```

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

```
.background{ background-color: rgb(167, 17,  
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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