

Converting Colors

XYZ(23.8658, 11.5135, 38.9947)

Have a look what the booklet for
XYZ(23.8658, 11.5135, 38.9947)
contains.

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Color

**XYZ(23.8658, 11.5135,
38.9947)**

Conversions

Conversions Part 1

Format	Color
Hex	AA03AA
RGB	170, 3, 170
RGB Percent	67%, 1%, 67%
CMY	0.3333, 0.9881, 0.3333
CMYK	0.00, 0.98, 0.00, 0.33
HSL	300°, 97%, 34%
HSV	300°, 98%, 67%
XYZ	23.8658, 11.5135, 38.9947
YIQ	71.9710, 45.9250, 87.3410

Conversions

Conversions Part 2

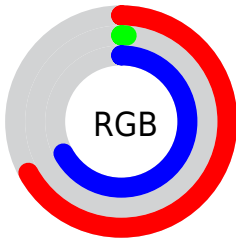
Format	Color
R_{YB}	170, 3, 170
Decimal	11142058
CIE _{Lab}	40.43, 72.20, -44.73
CIE _{LCh}	40, 84.932, 328.218
Yxy	11.5135, 0.3209, 0.1548
Android (android.graphics.Color)	4289332138 (0xFFAA03AA)
YUV	71.9710, 48.3283, 85.9714
Hunter-Lab	33.9315, 66.1680, -44.3850

Details

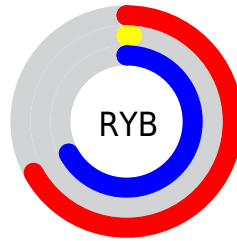
The XYZ color **23.8658, 11.5135, 38.9947** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.4293, 28.7759, 4.8806**, and the grayscale version is **6.0711, 6.3873, 6.9558**.

A 20% lighter version of the original color is **49.2891, 28.6460, 74.8829**, and **10.0209, 4.7951, 17.2270** is the 20% darker color. If you saturate the color by 10%, you get **23.8335, 11.4484, 38.9840**, and if you desaturate by 10%, it is **24.0840, 11.9495, 39.0675**.

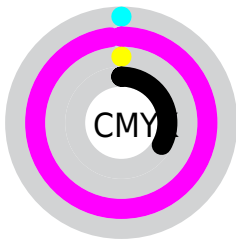
Distribution



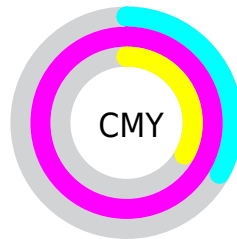
- Red (67%)
- Green (1%)
- Blue (67%)



- Red (67%)
- Yellow (1%)
- Blue (67%)



- Cyan (0%)
- Magenta (98%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (99%)
- Yellow (33%)
- Black (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8658, 11.5135, 38.9947 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 23.8658, 11.5135, 38.9947 by changing the saturation by 10% instead.


 23.8658, 11.5135,
38.9947


 23.8658, 11.5135,
38.9947


264.5944,
201.1574, 357.2932


 15.3583, 6.4133,
26.4478


 49.2674, 28.6059,
74.8505


 9.1592, 3.0980,
16.9302


 66.8922, 41.3669,
98.9964


 4.9031, 1.1831,
10.0233


 88.2868, 57.4503,
127.8458

 2.2247, 0.0478,
5.3086

 113.8166, 77.2405,
161.8172

 0.7557, 0.0000,
2.3676

 143.8468,
101.1220, 201.3291

 0.0000, 0.0000,
0.7687

 178.7430,

 0.0000, 0.0000,

129.4790, 246.8000

0.0000

218.8704,
162.6960, 298.6486

■ 23.8658, 11.5135,
38.9947

■ 23.8658, 11.5135,
38.9947

■ 23.8335, 11.4484,
38.9840

■ 24.0840, 11.9495,
39.0675

■ 24.4957, 12.7730,
39.2048

■ 25.1537, 14.0889,
39.4241

■ 26.0882, 15.9578,
39.7356

■ 27.3251, 18.4316,
40.1480

■ 28.8874, 21.5562,
40.6688

■ 30.7958, 25.3731,
41.3049

■ 33.0694, 29.9203,
42.0628

■ 35.7258, 35.2331,
42.9483

Harmonies

Analogous

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



17.3073, 11.5135, 69.4189



23.8658, 11.5135, 38.9947



26.8645, 11.5135, 13.5850

Triad

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



23.8658, 11.5135, 38.9947



11.3036, 11.5135, 0.0000



3.6315, 11.5135, 35.3470

Complementary

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



23.8658, 11.5135, 38.9947



14.4293, 28.7759, 4.8806

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.



3.0192, 11.5135, 11.5429



23.8658, 11.5135, 38.9947



6.3688, 11.5135, 0.0000

Square

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



23.8658, 11.5135, 38.9947



18.1590, 11.5135, 0.0000



3.8051, 11.5135, 1.9767



5.9480, 11.5135, 66.2724

Rectangle

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



23.8658, 11.5135, 38.9947



25.8422, 11.5135, 4.8189



3.8051, 11.5135, 1.9767



3.2669, 11.5135, 25.8555

Sweetspot

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



23.8663, 11.5140, 38.9949



55.3870, 45.0599, 74.7800



7.3264, 2.9874, 38.2211



12.0213, 9.3881, 16.5661



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.



23.8663, 11.5140, 38.9949



43.2429, 20.7718, 70.7317



18.3109, 9.2919, 9.7410



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6768



0.4266, 0.2049, 0.6977

Inverse Universe

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



23.8663, 11.5140, 38.9949



43.2429, 20.7718, 70.7317



16.1131, 29.4494, 13.7476



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6768



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 23.8658, 11.5135, 38.9947 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 23.8658, 11.5135, 38.9947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

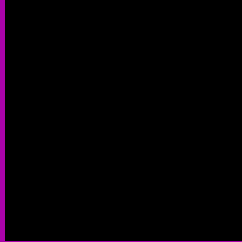
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8658, 11.5135, 38.9947

Background



This preview shows how black text looks on a background with the XYZ color 23.8658, 11.5135, 38.9947.



This preview shows how white text looks on a background with the XYZ color 23.8658, 11.5135,

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

23.8658, 11.5135, 38.9947

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.4578, 12.1730, 34.9507



Tritanopia

17.4426, 11.8402, 7.3273

Trichromacy



Original Color

23.8658, 11.5135, 38.9947



Protanomaly

12.7325, 7.9925, 48.4486



Deuteranomaly

13.6239, 8.8880, 36.1195



Tritanomaly

18.6588, 10.6494, 14.9820

Monochromacy



Original Color

23.8658, 11.5135, 38.9947



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

9.9076, 6.3039, 14.8819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8658, 11.5135, 38.9947 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, 3, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 3, 170)  
}
```

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, 3, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 3, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.8658, 11.5135, 38.9947 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, 3, 170) }
```


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

```
.border{ border-color:rgb(170, 3, 170) }
```

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

Here you see how a box with a 4 pixel rgb(170, 3, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 3, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 3, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 3,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8658, 11.5135, 38.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 3, 170) }
```

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

```
.background{ background-color: rgb(170, 3,  
170) }
```

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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