

Converting Colors

XYZ(12.5679, 6.3965, 4.3136)

Have a look what the booklet for
XYZ(12.5679, 6.3965, 4.3136)
contains.

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Color

**XYZ(12.5679, 6.3965,
4.3136)**

Conversions

Conversions Part 1

Format	Color
Hex	920038
RGB	146, 0, 56
RGB Percent	57%, 0%, 22%
CMY	0.4275, 0.9999, 0.7804
CMYK	0.00, 1.00, 0.62, 0.43
HSL	337°, 100%, 29%
HSV	337°, 100%, 57%
XYZ	12.5679, 6.3965, 4.3136
YIQ	50.0380, 69.0400, 48.3680

Conversions

Conversions Part 2

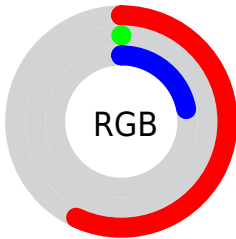
Format	Color
RYB	146, 0, 56
Decimal	9568312
CIELab	30.39, 54.77, 11.81
CIELCh	30, 56.023, 12.165
Yxy	6.3965, 0.5399, 0.2748
Android (android.graphics.Color)	4287758392 (0xFF920038)
YUV	50.0380, 2.9393, 84.1587
Hunter-Lab	25.2913, 44.4415, 7.5916

Details

The XYZ color **12.5679, 6.3965, 4.3136** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.1253, 21.2964, 13.1483**, and the grayscale version is **3.0283, 3.1861, 3.4696**.

A 20% lighter version of the original color is **30.2344, 18.8462, 14.6145**, and **4.0971, 2.1038, 0.5709** is the 20% darker color. If you saturate the color by 10%, you get **12.5676, 6.3964, 4.3122**, and if you desaturate by 10%, it is **12.9737, 6.8236, 5.6345**.

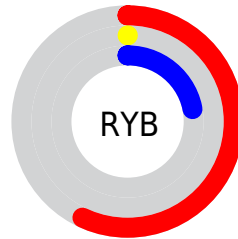
Distribution



Red (57%)

Green (0%)

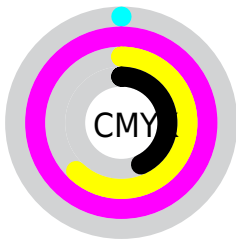
Blue (22%)



Red (57%)

Yellow (0%)

Blue (22%)

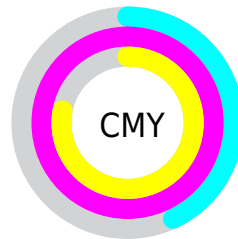


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (43%)



Cyan (43%)


Magenta (100%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5679, 6.3965, 4.3136 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 12.5679, 6.3965, 4.3136 by changing the saturation by 10% instead.


 12.5679, 6.3965,
4.3136


 12.5679, 6.3965,
4.3136


201.8236,
162.5505, 151.6497


 7.2066, 3.0876,
1.7989


 30.1332, 18.7484,
14.7268


 3.6391, 1.1777,
0.4272

 43.0680, 28.5602,
23.4624


 1.5001, 0.0433,
0.0000

 59.2580, 41.3085,
35.1087

 0.3259, 0.0000,
0.0000


 79.0686, 57.3777,
50.0842


 0.0000, 0.0000,
0.0000


 102.8651, 77.1520,
68.8076


 131.0128,


101.0160, 91.6972

 163.8772,
129.3541, 119.1718


 12.5679, 6.3965,
4.3136

 12.5679, 6.3965,
4.3136


 12.5676, 6.3964,
4.3122

 12.9737, 6.8236,
5.6345

 13.5349, 7.4949,
7.2122

 14.3094, 8.5234,
9.0752

 15.3202, 9.9522,
11.2397

 16.5870, 11.8181,
13.7202

■ 18.1273, 14.1537,
16.5302

■ 19.9571, 16.9886,
19.6824

■ 22.0909, 20.3498,
23.1886

■ 24.5426, 24.2624,
27.0601

Harmonies

Analogous

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



12.3568, 6.3965, 12.4773



12.5679, 6.3965, 4.3136



10.7083, 6.3965, 1.0359

Triad

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



12.5679, 6.3965, 4.3136



3.2542, 6.3965, 0.7602



4.6451, 6.3965, 32.2493

Complementary

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



12.5679, 6.3965, 4.3136



12.1253, 21.2964, 13.1483

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.



3.0242, 6.3965, 22.1311



12.5679, 6.3965, 4.3136



2.3973, 6.3965, 3.3752

Square

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



12.5679, 6.3965, 4.3136



5.0652, 6.3965, 0.0000



2.3276, 6.3965, 10.5261



7.2213, 6.3965, 33.3015

Rectangle

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



12.5679, 6.3965, 4.3136



8.7914, 6.3965, 0.1998



2.3276, 6.3965, 10.5261



3.9922, 6.3965, 29.5764

Sweetspot

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



12.5681, 6.3969, 4.3137



34.9914, 29.6338, 34.3599



9.1759, 4.1313, 27.5079



7.5043, 6.1568, 7.1676



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.5681, 6.3969, 4.3137



22.0935, 11.2531, 7.2010



12.0196, 6.4419, 0.6104



5.8873, 5.8500, 6.5129



11.0698, 5.6330, 3.8487



0.1491, 0.0744, 0.1188

Inverse Universe

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



12.5681, 6.3969, 4.3137



22.0935, 11.2531, 7.2010



13.3589, 18.4162, 30.0447



5.8873, 5.8500, 6.5129



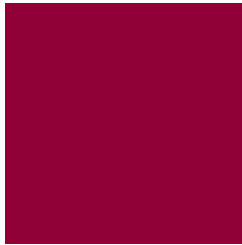
11.0698, 5.6330, 3.8487



0.1491, 0.0744, 0.1188

Previews

White Background



This preview shows how the XYZ color 12.5679, 6.3965, 4.3136 looks on a white background.

Color Contrast Check

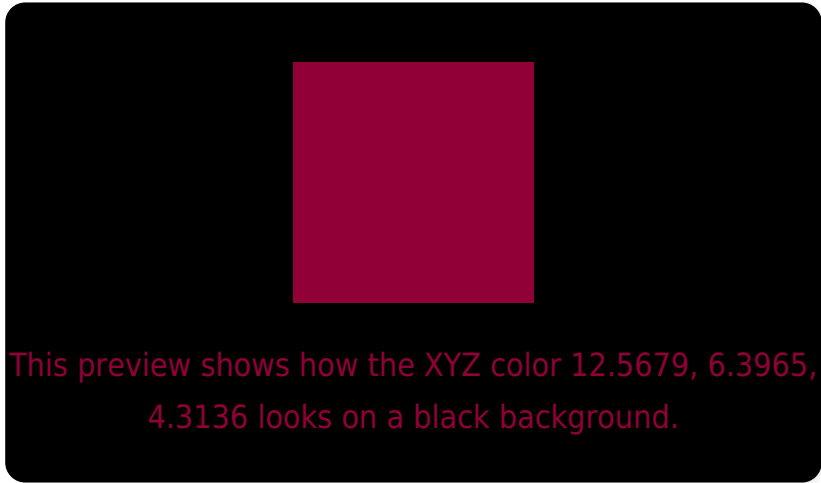
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

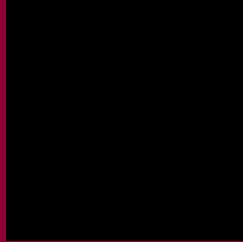
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5679, 6.3965, 4.3136

Background



This preview shows how black text looks on a background with the XYZ color 12.5679, 6.3965, 4.3136.



This preview shows how white text looks on a background with the XYZ color 12.5679, 6.3965,

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

12.5679, 6.3965, 4.3136

Protanopia

6.7958, 6.9626, 8.9684

Deuteranopia

7.1095, 7.0387, 4.0015



Tritanopia

12.0993, 6.6477, 1.3549

Trichromacy



Original Color

12.5679, 6.3965, 4.3136

Protanomaly

7.4746, 5.2234, 6.9176

Deuteranomaly

8.0272, 5.5169, 3.8906

Tritanomaly

12.1228, 6.4493, 2.1193

Monochromacy



Original Color

12.5679, 6.3965, 4.3136

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8827, 3.2123, 3.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5679, 6.3965, 4.3136 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(146, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 56)  
}
```

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(146, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 12.5679, 6.3965, 4.3136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

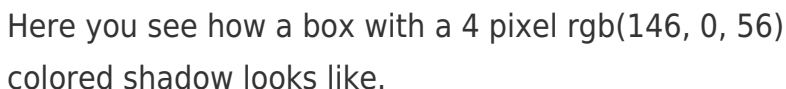
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 0, 56) }
```


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

```
.border{ border-color:rgb(146, 0, 56) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 0, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(146, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5679, 6.3965, 4.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 56) }
```

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

```
.background{ background-color: rgb(146, 0,  
56) }
```

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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