

Converting Colors

XYZ(22.5213, 11.0352, 40.9629)

Have a look what the booklet for
XYZ(22.5213, 11.0352, 40.9629)
contains.

XYZ(22.5384, 11.0340, 40.9863)	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(22.5384, 11.0340,
40.9863)**

Conversions

Conversions Part 1

Format	Color
Hex	A111AE
RGB	161, 17, 174
RGB Percent	63%, 7%, 68%
CMY	0.3686, 0.9333, 0.3176
CMYK	0.07, 0.90, 0.00, 0.32
HSL	295°, 82%, 37%
HSV	295°, 90%, 68%
XYZ	22.5384, 11.0340, 40.9863
YIQ	77.9540, 35.4270, 79.3550

Conversions

Conversions Part 2

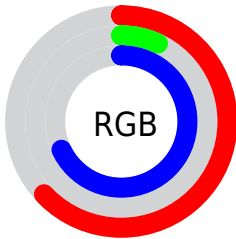
Format	Color
RYB	161, 17, 174
Decimal	10555822
CIELab	39.64, 69.66, -48.48
CIELCh	40, 84.871, 325.164
Yxy	11.0340, 0.3023, 0.1480
Android (android.graphics.Color)	4288745902 (0xFFA111AE)
YUV	77.9540, 47.3507, 72.8313
Hunter-Lab	33.2175, 62.9836, -49.9044

Details

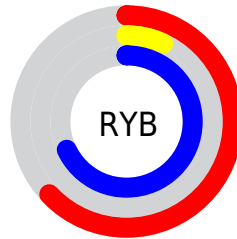
The XYZ color **22.5384, 11.0340, 40.9863** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.7731, 30.5889, 5.6037**, and the grayscale version is **7.1431, 7.5151, 8.1840**.

A 20% lighter version of the original color is **46.9045, 27.5896, 77.7161**, and **9.1601, 4.3235, 18.4409** is the 20% darker color. If you saturate the color by 10%, you get **22.0559, 10.4877, 40.9064**, and if you desaturate by 10%, it is **23.2142, 11.9515, 41.1279**.

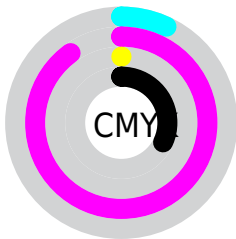
Distribution



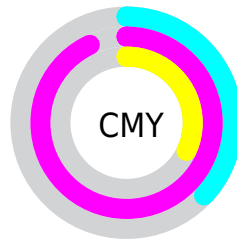
- Red (63%)
- Green (7%)
- Blue (68%)



- Red (63%)
- Yellow (7%)
- Blue (68%)



- Cyan (7%)
- Magenta (90%)
- Yellow (0%)
- Black (32%)





- Cyan (37%)
- Magenta (93%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5384, 11.0340, 40.9863 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 22.5384, 11.0340, 40.9863 by changing the saturation by 10% instead.


 22.5384, 11.0340,
40.9863

 22.5384, 11.0340,
40.9863


257.9250,
197.9007, 365.9383


 14.3719, 6.0897,
27.9888


 47.1065, 27.7230,
77.9165


 8.4632, 2.8997,
18.0782


 64.2388, 40.2365,
102.6863


 4.4470, 1.0796,
10.8361


 85.0904, 56.0419,
132.2173

 1.9580, 0.0000,
5.8440

 110.0266, 75.5236,
166.9279

 0.6102, 0.0000,
2.6832

 139.4128, 99.0659,
207.2368

 0.0000, 0.0000,
0.9349

 173.6144,

 0.0000, 0.0000,

127.0532, 253.5625

0.0000

212.9967,
159.8700, 306.3234

■ 22.5384, 11.0340,
40.9863

■ 22.5384, 11.0340,
40.9863

■ 22.0559, 10.4877,
40.9064

■ 23.2142, 11.9515,
41.1279

■ 24.1453, 13.3753,
41.3537

■ 25.3657, 15.3725,
41.6749

■ 26.9035, 17.9996,
42.1009

■ 28.7837, 21.3064,
42.6401

■ 31.0287, 25.3378,
43.2999

■ 33.6589, 30.1345,
44.0871

■ 36.6934, 35.7347,
45.0081

■ 40.1497, 42.1735,
46.0688

Harmonies

Analogous

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



15.9703, 11.0340, 70.1572



22.5384, 11.0340, 40.9863



25.9548, 11.0340, 14.9077

Triad

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



22.5384, 11.0340, 40.9863



11.4544, 11.0340, 0.0000



3.2931, 11.0340, 31.3145

Complementary

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



22.5384, 11.0340, 40.9863



15.7731, 30.5889, 5.6037

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.



2.8452, 11.0340, 9.5215



22.5384, 11.0340, 40.9863



6.4296, 11.0340, 0.0000

Square

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



22.5384, 11.0340, 40.9863



18.2202, 11.0340, 0.0000



3.7460, 11.0340, 1.4537



5.3263, 11.0340, 61.7963

Rectangle

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



22.5384, 11.0340, 40.9863



25.3231, 11.0340, 5.4541



3.7460, 11.0340, 1.4537



2.9936, 11.0340, 22.4354

Sweetspot

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



22.5389, 11.0345, 40.9865



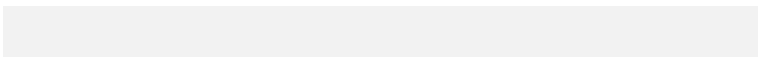
57.5215, 48.2072, 78.9101



8.3381, 4.1086, 40.3982



12.4518, 10.1108, 17.4396



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.5389, 11.0345, 40.9865



39.9151, 18.9761, 74.1959



20.3945, 10.4953, 15.3030



8.2707, 8.1139, 10.0829



16.0213, 7.6192, 29.6707



0.4645, 0.2216, 0.8263

Inverse Universe

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



17.8908, 9.4938, 2.1186



31.7786, 16.3691, 2.0914



16.9067, 31.0072, 13.1614



8.0312, 8.0257, 8.4749



12.7298, 6.5545, 0.9569



0.3626, 0.1857, 0.0713

Previews

White Background



This preview shows how the XYZ color 22.5384, 11.0340, 40.9863 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

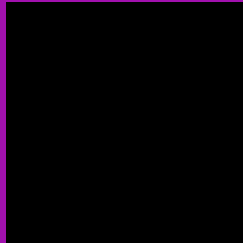
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5384, 11.0340, 40.9863

Background



This preview shows how black text looks on a background with the XYZ color 22.5384, 11.0340, 40.9863.



This preview shows how white text looks on a background with the XYZ color 22.5384, 11.0340,

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

22.5384, 11.0340, 40.9863

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.7982, 11.5175, 36.7232



Tritanopia

15.7586, 11.1402, 7.7983

Trichromacy



Original Color

22.5384, 11.0340, 40.9863



Protanomaly

12.6636, 8.2983, 47.9480



Deuteranomaly

12.8214, 8.7728, 38.0633



Tritanomaly

17.0919, 10.1793, 15.8158

Monochromacy



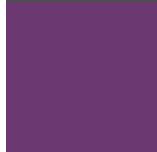
Original Color

22.5384, 11.0340, 40.9863



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

10.5792, 7.2087, 16.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5384, 11.0340, 40.9863 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(161, 17, 174)` looks like.

```
.text, #text, p{  
    color:rgb(161, 17, 174)  
}
```

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(161, 17, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 17, 174) }
```

Border

The CSS property to change the border of an element to XYZ 22.5384, 11.0340, 40.9863 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(161, 17, 174) }
```


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

```
.border{ border-color:rgb(161, 17, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 17, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 17, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 17, 174);  
box-shadow:4px 4px 4px 4px rgb(161, 17,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5384, 11.0340, 40.9863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 17, 174) }
```

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

```
.background{ background-color: rgb(161, 17,  
174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor