

Converting Colors

XYZ(22.3409, 11.2354, 25.6488)

Have a look what the booklet for
XYZ(22.3409, 11.2354, 25.6488)
contains.

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Color

**XYZ(22.3600, 11.2338,
25.8008)**

Conversions

Conversions Part 1

Format	Color
Hex	AE0F8C
RGB	174, 15, 140
RGB Percent	68%, 6%, 55%
CMY	0.3176, 0.9411, 0.4510
CMYK	0.00, 0.91, 0.20, 0.32
HSL	313°, 84%, 37%
HSV	313°, 91%, 68%
XYZ	22.3600, 11.2338, 25.8008
YIQ	76.7910, 54.6390, 72.5830

Conversions

Conversions Part 2

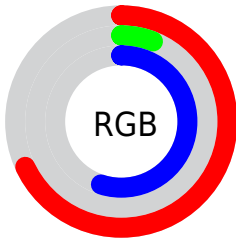
Format	Color
R _Y B	174, 15, 140
Decimal	11407244
CIE Lab	39.97, 67.40, -27.26
CIE LCh	40, 72.708, 337.981
Yxy	11.2338, 0.3765, 0.1891
Android (android.graphics.Color)	4289597324 (0xFFAE0F8C)
YUV	76.7910, 31.1620, 85.2523
Hunter-Lab	33.5169, 60.4276, -22.1788

Details

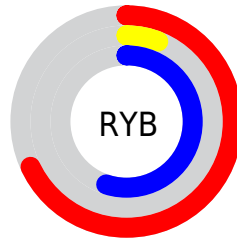
The XYZ color **22.3600, 11.2338, 25.8008** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **15.8882, 30.5959, 7.9762**, and the grayscale version is **6.9544, 7.3165, 7.9677**.

A 20% lighter version of the original color is **46.7501, 28.0351, 53.9862**, and **9.1393, 4.5032, 9.8387** is the 20% darker color. If you saturate the color by 10%, you get **21.9558, 10.7988, 24.5145**, and if you desaturate by 10%, it is **22.9963, 12.0596, 27.3898**.

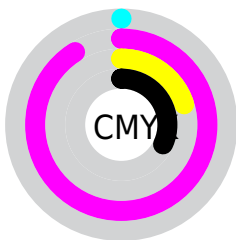
Distribution



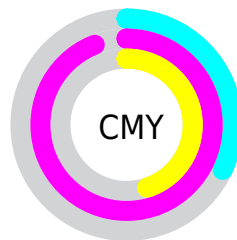
- Red (68%)
- Green (6%)
- Blue (55%)



- Red (68%)
- Yellow (6%)
- Blue (55%)



- Cyan (0%)
- Magenta (91%)
- Yellow (20%)
- Black (32%)





- Cyan (32%)
- Magenta (94%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3600, 11.2338, 25.8008 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 22.3600, 11.2338, 25.8008 by changing the saturation by 10% instead.


 22.3600, 11.2338,
25.8008


 22.3600, 11.2338,
25.8008


257.0177,
199.2646, 295.3771


 14.2397, 6.2243,
16.4502


 46.8147, 28.0917,
53.9335


 8.3704, 2.9820,
9.6855


 63.8799, 40.7089,
73.5528


 4.3867, 1.1223,
5.0881

 84.6574, 56.6308,
97.4321

 1.9231, 0.0000,
2.2394

 109.5126, 76.2418,
125.9899

 0.5902, 0.0000,
0.6970

 138.8109, 99.9263,
159.6447

 0.0000, 0.0000,
0.0000

 172.9176,

128.0687, 198.8152

212.1981,
161.0533, 243.9198

■ 22.3600, 11.2338,
25.8008

■ 22.3600, 11.2338,
25.8008

■ 21.9558, 10.7988,
24.5145

■ 22.9963, 12.0596,
27.3898

■ 23.8898, 13.3851,
29.1107

■ 25.0752, 15.2790,
30.9756

■ 26.5811, 17.7988,
32.9944

■ 28.4329, 20.9950,
35.1760

■ 30.6534, 24.9129,
37.5284

■ 33.2632, 29.5940,
40.0590

■ 36.2816, 35.0763,
42.7745

■ 39.7265, 41.3957,
45.6813

Harmonies

Analogous

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



17.7880, 11.2338, 49.5269



22.3600, 11.2338, 25.8008



23.3745, 11.2338, 8.7807

Triad

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



22.3600, 11.2338, 25.8008



9.3924, 11.2338, 0.0000



4.7327, 11.2338, 38.3533

Complementary

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



22.3600, 11.2338, 25.8008



15.8882, 30.5959, 7.9762

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.



3.6867, 11.2338, 16.4857



22.3600, 11.2338, 25.8008



5.7703, 11.2338, 0.8115

Square

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



22.3600, 11.2338, 25.8008



14.7210, 11.2338, 0.1057



3.9955, 11.2338, 4.5185



7.4516, 11.2338, 59.9322

Rectangle

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



22.3600, 11.2338, 25.8008



21.6727, 11.2338, 3.3053



3.9955, 11.2338, 4.5185



4.2199, 11.2338, 30.3284

Sweetspot

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



22.3604, 11.2344, 25.8010



57.3576, 48.3238, 69.8191



8.9750, 3.9982, 40.3433



12.4123, 10.1403, 15.1846



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.



22.3604, 11.2344, 25.8010



39.7403, 19.5538, 44.0173



18.5160, 9.6966, 5.5566



8.2626, 8.1183, 9.6937



15.9470, 7.8413, 17.8982



0.4617, 0.2254, 0.5932

Inverse Universe

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



22.3604, 11.2344, 25.8010



39.7403, 19.5538, 44.0173



19.1191, 31.8882, 24.9898



8.2626, 8.1183, 9.6937



15.9470, 7.8413, 17.8982



0.4617, 0.2254, 0.5932

Previews

White Background



This preview shows how the XYZ color 22.3600, 11.2338, 25.8008 looks on a white background.

Color Contrast Check

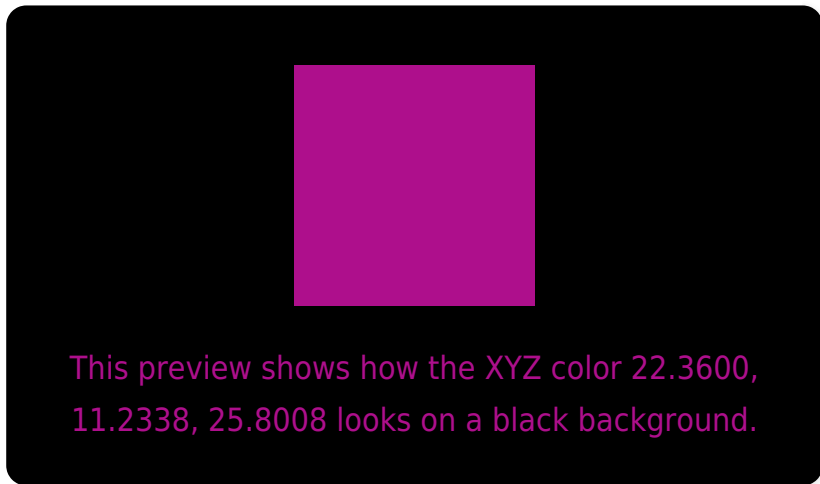
Large Text (above 18pt) WCAG AA ✓ Pass

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

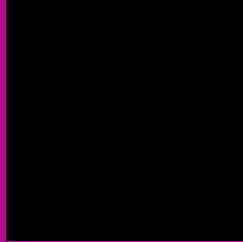
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3600, 11.2338, 25.8008

Background



This preview shows how black text looks on a background with the XYZ color 22.3600, 11.2338, 25.8008.



This preview shows how white text looks on a background with the XYZ color 22.3600, 11.2338,

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

22.3600, 11.2338, 25.8008

Protanopia

14.0053, 11.7371, 54.3507

Deuteranopia

11.9353, 11.7544, 23.1125



Tritanopia

18.1399, 11.3596, 5.3742

Trichromacy



Original Color

22.3600, 11.2338, 25.8008



Protanomaly

12.0538, 8.0303, 41.9890



Deuteranomaly

13.5874, 9.3996, 23.6524



Tritanomaly

19.1320, 10.8365, 10.3158

Monochromacy



Original Color

22.3600, 11.2338, 25.8008



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

10.3015, 7.0032, 12.8654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3600, 11.2338, 25.8008 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(174, 15, 140)` looks like.

```
.text, #text, p{  
    color:rgb(174, 15, 140)  
}
```

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(174, 15, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 15, 140) }
```

Border

The CSS property to change the border of an element to XYZ 22.3600, 11.2338, 25.8008 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(174, 15, 140) }
```


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

```
.border{ border-color:rgb(174, 15, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 15, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 15, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 15, 140);  
box-shadow:4px 4px 4px 4px rgb(174, 15,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3600, 11.2338, 25.8008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 15, 140) }
```

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

```
.background{ background-color: rgb(174, 15,  
140) }
```

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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