

Converting Colors

XYZ(11.4253, 5.6345, 12.0780)

Have a look what the booklet for
XYZ(11.4253, 5.6345, 12.0780)
contains.

XYZ(11.4105, 5.6277, 12.0401)	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(11.4105, 5.6277,
12.0401)**

Conversions

Conversions Part 1

Format	Color
Hex	820062
RGB	130, 0, 98
RGB Percent	51%, 0%, 38%
CMY	0.4902, 0.9999, 0.6157
CMYK	0.00, 1.00, 0.25, 0.49
HSL	315°, 100%, 25%
HSV	315°, 100%, 51%
XYZ	11.4105, 5.6277, 12.0401
YIQ	50.0420, 46.0220, 58.0380

Conversions

Conversions Part 2

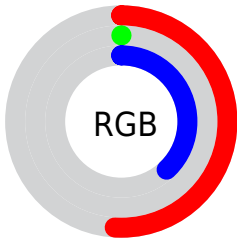
Format	Color
R_{YB}	130, 0, 98
Decimal	8519778
CIE _{Lab}	28.45, 55.05, -19.35
CIE _{LCh}	28, 58.351, 340.630
Yxy	5.6277, 0.3924, 0.1935
Android (android.graphics.Color)	4286709858 (0xFF820062)
YUV	50.0420, 23.6433, 70.1232
Hunter-Lab	23.7228, 44.3425, -13.4857

Details

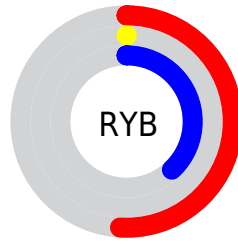
The XYZ color **11.4105, 5.6277, 12.0401** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **8.2437, 16.0697, 4.0349**, and the grayscale version is **3.0078, 3.1644, 3.4461**.

A 20% lighter version of the original color is **28.1716, 17.2412, 30.2768**, and **3.5780, 1.7755, 3.2861** is the 20% darker color. If you saturate the color by 10%, you get **11.4103, 5.6276, 12.0392**, and if you desaturate by 10%, it is **11.7088, 5.9776, 12.9001**.

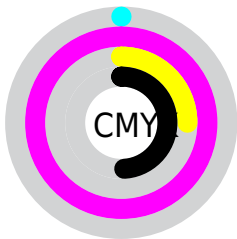
Distribution



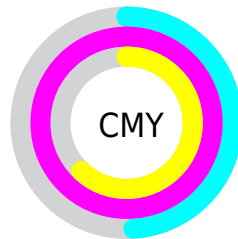
- Red (51%)
- Green (0%)
- Blue (38%)



- Red (51%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4105, 5.6277, 12.0401 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 11.4105, 5.6277, 12.0401 by changing the saturation by 10% instead.

■ 11.4105, 5.6277,
12.0401

■ 11.4105, 5.6277,
12.0401

194.3133,
155.7177, 215.6579

■ 6.4130, 2.6200,
6.6481

■ 28.0431, 17.1537,
30.2336

■ 3.1408, 0.9368,
3.1679

■ 40.4088, 26.4407,
43.8722

■ 1.2287, 0.0000,
1.1810

■ 55.9614, 38.5898,
61.0968

■ 0.1288, 0.0000,
0.0000


■ 75.0660, 53.9851,
82.3259


■ 0.0000, 0.0000,
0.0000


■ 98.0882, 73.0112,
107.9780


■ 125.3932, 96.0524,

138.4716

 157.3465,
123.4931, 174.2254


 11.4105, 5.6277,
12.0401


 11.4105, 5.6277,
12.0401

 11.4103, 5.6276,
12.0392

 11.7088, 5.9776,
12.9001

 12.0948, 6.4929,
13.8195

 12.6175, 7.2721,
14.8150

 13.2929, 8.3465,
15.8921

 14.1345, 9.7431,
17.0558

■ 15.1542, 11.4859,
18.3103

■ 16.3630, 13.5965,
19.6597

■ 17.7708, 16.0948,
21.1074

■ 19.3870, 18.9992,
22.6570

Harmonies

Analogous

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



9.2039, 5.6277, 24.0682



11.4105, 5.6277, 12.0401



11.7329, 5.6277, 3.8915

Triad

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



11.4105, 5.6277, 12.0401



4.4972, 5.6277, 0.0000



2.4314, 5.6277, 20.5059

Complementary

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



11.4105, 5.6277, 12.0401



8.2437, 16.0697, 4.0349

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.



1.8401, 5.6277, 9.0889



11.4105, 5.6277, 12.0401



2.7561, 5.6277, 0.3337

Square

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



11.4105, 5.6277, 12.0401



7.1389, 5.6277, 0.0000



1.9364, 5.6277, 2.5593



3.8864, 5.6277, 31.0844

Rectangle

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



11.4105, 5.6277, 12.0401



10.7521, 5.6277, 1.4053



1.9364, 5.6277, 2.5593



2.1496, 5.6277, 16.3818

Sweetspot

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



11.4107, 5.6280, 12.0402



28.6582, 23.6659, 34.4524



4.5750, 1.8933, 21.2434



6.3108, 5.0482, 7.6061



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.4107, 5.6280, 12.0402



20.0345, 9.8867, 20.8858



9.5047, 4.8656, 2.0034



4.4543, 4.3949, 5.1970



10.9435, 5.3971, 11.5583



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.4107, 5.6280, 12.0402



20.0345, 9.8867, 20.8858



10.0638, 16.7977, 13.6189



4.4543, 4.3949, 5.1970



10.9435, 5.3971, 11.5583



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.4105, 5.6277, 12.0401 looks on a white background.

Color Contrast Check

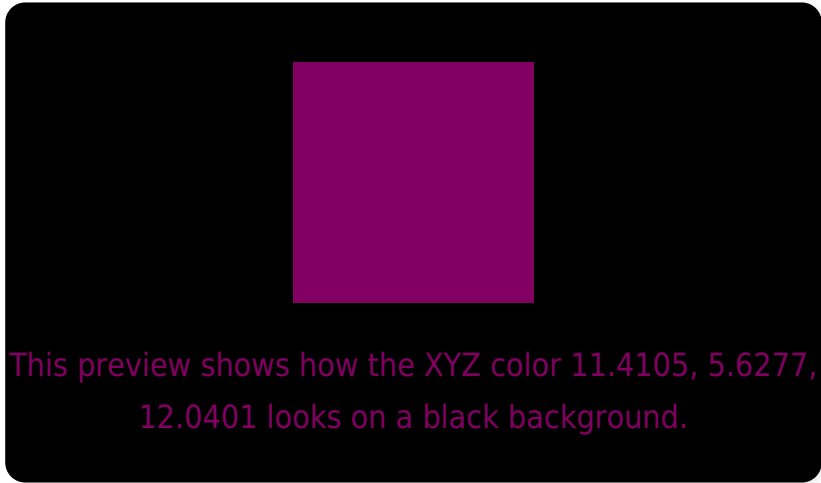
Large Text (above 18pt) WCAG AA ✓ Pass

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

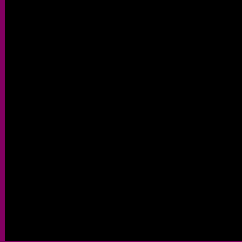
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4105, 5.6277, 12.0401

Background



This preview shows how black text looks on a background with the XYZ color 11.4105, 5.6277, 12.0401.



This preview shows how white text looks on a background with the XYZ color 11.4105, 5.6277,

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

11.4105, 5.6277, 12.0401

Protanopia

7.1533, 6.2179, 25.2493

Deuteranopia

6.3067, 6.1872, 10.9871



Tritanopia

9.7299, 6.0468, 2.7521

Trichromacy



Original Color

11.4105, 5.6277, 12.0401

Protanomaly

6.6163, 4.2730, 19.5448

Deuteranomaly

7.0409, 4.7334, 11.1322

Tritanomaly

9.9695, 5.5551, 5.1042

Monochromacy



Original Color

11.4105, 5.6277, 12.0401

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.7541, 3.1005, 5.6581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4105, 5.6277, 12.0401 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(130, 0, 98)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 98)  
}
```

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(130, 0, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 11.4105, 5.6277, 12.0401 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(130, 0, 98) }
```


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

```
.border{ border-color:rgb(130, 0, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 0, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(130, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.4105, 5.6277, 12.0401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 98) }
```

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

```
.background{ background-color: rgb(130, 0,  
98) }
```

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