

Converting Colors

XYZ(12.9112, 8.0469, 17.9243)

Have a look what the booklet for
XYZ(12.9112, 8.0469, 17.9243)
contains.

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Color

**XYZ(12.9113, 8.0356,
18.0101)**

Conversions

Conversions Part 1

Format	Color
Hex	7D3376
RGB	125, 51, 118
RGB Percent	49%, 20%, 46%
CMY	0.5098, 0.8000, 0.5373
CMYK	0.00, 0.59, 0.06, 0.51
HSL	306°, 42%, 35%
HSV	306°, 59%, 49%
XYZ	12.9113, 8.0356, 18.0101
YIQ	80.7640, 22.5970, 36.5250

Conversions

Conversions Part 2

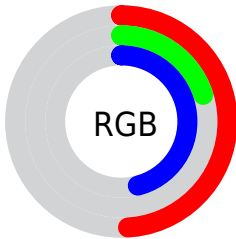
Format	Color
RYB	125, 51, 118
Decimal	8205174
CIELab	34.06, 41.27, -23.48
CIElCh	34, 47.479, 330.359
Yxy	8.0356, 0.3314, 0.2063
Android (android.graphics.Color)	4286395254 (0xFF7D3376)
YUV	80.7640, 18.3573, 38.7950
Hunter-Lab	28.3471, 31.6941, -17.8264

Details

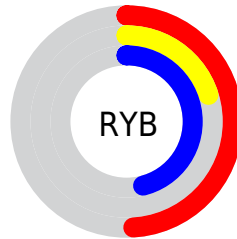
The XYZ color **12.9113, 8.0356, 18.0101** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.4629, 15.6769, 6.5306**, and the grayscale version is **7.7367, 8.1396, 8.8640**.

A 20% lighter version of the original color is **30.8295, 22.1083, 40.6727**, and **3.8218, 1.8461, 5.7851** is the 20% darker color. If you saturate the color by 10%, you get **12.3671, 7.0587, 17.4842**, and if you desaturate by 10%, it is **13.6039, 9.3073, 18.5899**.

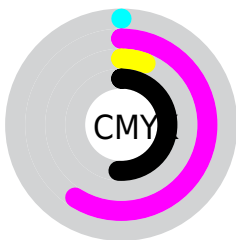
Distribution



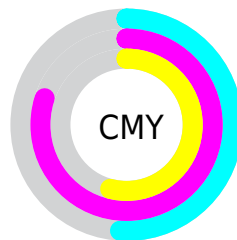
- Red (49%)
- Green (20%)
- Blue (46%)



- Red (49%)
- Yellow (20%)
- Blue (46%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (51%)



- Cyan (51%)
- Magenta (80%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9113, 8.0356, 18.0101 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 12.9113, 8.0356, 18.0101 by changing the saturation by 10% instead.

■ 12.9113, 8.0356,
18.0101

■ 12.9113, 8.0356,
18.0101

203.9975,
176.0110, 253.1660

■ 7.4441, 4.1177,
10.7877

■ 30.7470, 22.0282,
40.8687

■ 3.7901, 1.7396,
5.8119

■ 43.8462, 32.8717,
57.3420

■ 1.5841, 0.4491,
2.6641

■ 60.2201, 46.7926,
77.7360

■ 0.3820, 0.0000,
0.9253

■ 80.2341, 64.1752,
102.4693

■ 0.0000, 0.0000,
0.0000

■ 104.2534, 85.4040,
131.9605

■ 132.6435,

110.8632, 166.6279

165.7698,
140.9374, 206.8902

■ 12.9113, 8.0356,
18.0101

■ 12.9113, 8.0356,
18.0101

■ 12.3671, 7.0587,
17.4842

■ 13.6039, 9.3073,
18.5899

■ 11.9582, 6.3514,
17.0077

■ 14.4546, 10.8943,
19.2268

■ 11.6711, 5.8862,
16.5761

■ 15.4737, 12.8164,
19.9241

■ 11.4643, 5.5802,
16.1755

■ 16.6699, 15.0914,
20.6849

■ 11.4481, 5.5563,
16.1437

■ 18.0516, 17.7360,
21.5120

■ 19.6267, 20.7658,
22.4079

■ 21.4024, 24.1954,
23.3751

■ 23.3857, 28.0388,
24.4160

■ 25.5832, 32.3092,
25.5328

Harmonies

Analogous

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



10.4798, 8.0356, 28.0596



12.9113, 8.0356, 18.0101



13.8703, 8.0356, 8.6593

Triad

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



12.9113, 8.0356, 18.0101



7.6061, 8.0356, 0.7859



4.0608, 8.0356, 18.2647

Complementary

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



12.9113, 8.0356, 18.0101



9.4629, 15.6769, 6.5306

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.



3.6238, 8.0356, 8.8401



12.9113, 8.0356, 18.0101



5.3622, 8.0356, 1.2683

Square

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



12.9113, 8.0356, 18.0101



10.4124, 8.0356, 1.2435



4.0401, 8.0356, 3.3747



5.4055, 8.0356, 28.2567

Rectangle

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



12.9113, 8.0356, 18.0101



13.4069, 8.0356, 4.6260



4.0401, 8.0356, 3.3747



3.8187, 8.0356, 14.7957

Sweetspot

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



12.9116, 8.0360, 18.0103



30.0281, 27.3621, 37.1498



6.5827, 4.7235, 19.9671



6.7029, 5.9809, 8.3715



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9116, 8.0360, 18.0103



21.8619, 12.1418, 30.9995



11.1583, 7.3346, 8.7775



4.4812, 4.4056, 5.3384



11.9468, 5.7984, 16.8417



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9116, 8.0360, 18.0103



21.8619, 12.1418, 30.9995



10.7271, 16.1825, 13.1875



4.4812, 4.4056, 5.3384



11.9468, 5.7984, 16.8417



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9113, 8.0356, 18.0101 looks on a white background.

Color Contrast Check

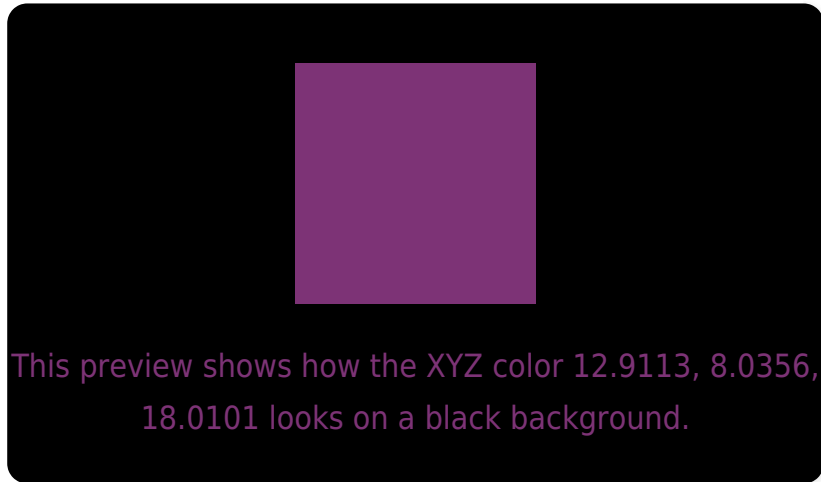
Large Text (above 18pt) WCAG AA ✓ Pass

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

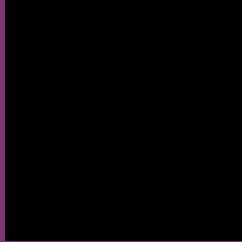
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9113, 8.0356, 18.0101

Background



This preview shows how black text looks on a background with the XYZ color 12.9113, 8.0356, 18.0101.



This preview shows how white text looks on a background with the XYZ color 12.9113, 8.0356,

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

12.9113, 8.0356, 18.0101

Protanopia

9.0946, 8.2750, 26.7091

Deuteranopia

8.3751, 8.2317, 16.7702



Tritanopia

10.6533, 8.0895, 6.6302

Trichromacy



Original Color

12.9113, 8.0356, 18.0101

Protanomaly

9.5862, 7.6120, 23.1543

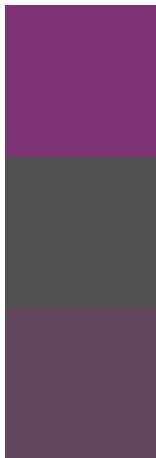
Deuteranomaly

9.4391, 7.6677, 17.2022

Tritanomaly

11.3103, 7.9536, 9.9559

Monochromacy



Original Color

12.9113, 8.0356, 18.0101

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1403, 7.7299, 11.5999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9113, 8.0356, 18.0101 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(125, 51, 118)` looks like.

```
.text, #text, p{  
    color:rgb(125, 51, 118)  
}
```

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(125, 51, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 51, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.9113, 8.0356, 18.0101 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(125, 51, 118) }
```


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

```
.border{ border-color:rgb(125, 51, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 51, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 51, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 51, 118);  
box-shadow:4px 4px 4px 4px rgb(125, 51,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9113, 8.0356, 18.0101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 51, 118) }
```

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

```
.background{ background-color: rgb(125, 51,  
118) }
```

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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