

Converting Colors

XYZ(12.8489, 7.9395, 17.9361)

Have a look what the booklet for
XYZ(12.8489, 7.9395, 17.9361)
contains.

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Color

**XYZ(12.8681, 7.9492,
17.9957)**

Conversions

Conversions Part 1

Format	Color
Hex	7D3276
RGB	125, 50, 118
RGB Percent	49%, 20%, 46%
CMY	0.5098, 0.8039, 0.5373
CMYK	0.00, 0.60, 0.06, 0.51
HSL	306°, 43%, 34%
HSV	306°, 60%, 49%
XYZ	12.8681, 7.9492, 17.9957
YIQ	80.1770, 22.8720, 37.0480

Conversions

Conversions Part 2

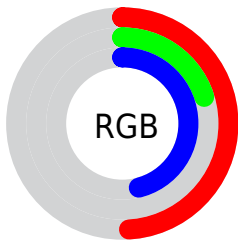
Format	Color
RYB	125, 50, 118
Decimal	8204918
CIELab	33.88, 41.75, -23.76
CIElCh	34, 48.043, 330.356
Yxy	7.9492, 0.3315, 0.2048
Android (android.graphics.Color)	4286394998 (0xFF7D3276)
YUV	80.1770, 18.6467, 39.3098
Hunter-Lab	28.1943, 32.1287, -18.1072

Details

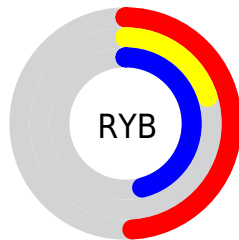
The XYZ color **12.8681, 7.9492, 17.9957** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.3879, 15.6411, 6.3957**, and the grayscale version is **7.6215, 8.0184, 8.7320**.

A 20% lighter version of the original color is **30.7318, 21.9129, 40.6401**, and **3.8218, 1.8461, 5.7851** is the 20% darker color. If you saturate the color by 10%, you get **12.3360, 6.9952, 17.4784**, and if you desaturate by 10%, it is **13.5476, 9.1963, 18.5665**.

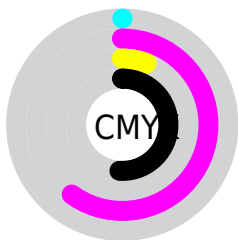
Distribution



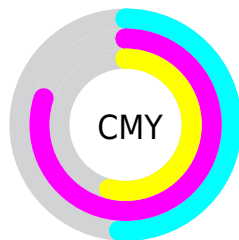
- Red (49%)
- Green (20%)
- Blue (46%)



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



- Cyan (0%)
- Magenta (60%)
- Yellow (6%)
- Black (51%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8681, 7.9492, 17.9957 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 12.8681, 7.9492, 17.9957 by changing the saturation by 10% instead.

12.8681, 7.9492,
17.9957

12.8681, 7.9492,
17.9957

203.7253,
175.3330, 253.0821

7.4142, 4.0625,
10.7775

30.6700, 21.8588,
40.8438

3.7711, 1.7086,
5.8051

43.7486, 32.6504,
57.3108

1.5734, 0.4292,
2.6601

60.0995, 46.5125,
77.6979

0.3750, 0.0000,
0.9232

80.0880, 63.8294,
102.4234

0.0000, 0.0000,
0.0000

104.0794, 84.9855,
131.9061

132.4393,

110.3652, 166.5644

165.5328,
140.3529, 206.8169

■ 12.8681, 7.9492,
17.9957

■ 12.8681, 7.9492,
17.9957

■ 12.3360, 6.9952,
17.4784

■ 13.5476, 9.1963,
18.5665

■ 11.9383, 6.3087,
17.0101

■ 14.3844, 10.7569,
19.1939

■ 11.6611, 5.8617,
16.5860

■ 15.3887, 12.6511,
19.8814

■ 11.4571, 5.5599,
16.1906

■ 16.5695, 14.8969,
20.6321

■ 11.4570, 5.5598,
16.1905

■ 17.9351, 17.5110,
21.4486

■ 19.4935, 20.5090,
22.3337

■ 21.2518, 23.9058,
23.2897

■ 23.2172, 27.7152,
24.3191

■ 25.3963, 31.9505,
25.4241

Harmonies

Analogous

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



10.4153, 7.9492, 28.1772



12.8681, 7.9492, 17.9957



13.8368, 7.9492, 8.5656

Triad

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



12.8681, 7.9492, 17.9957



7.5241, 7.9492, 0.7248



3.9733, 7.9492, 18.2510

Complementary

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



12.8681, 7.9492, 17.9957



9.3879, 15.6411, 6.3957

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.



3.5379, 7.9492, 8.7457



12.8681, 7.9492, 17.9957



5.2739, 7.9492, 1.2025

Square

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



12.8681, 7.9492, 17.9957



10.3479, 7.9492, 1.1785



3.9529, 7.9492, 3.2803



5.3169, 7.9492, 28.3756

Rectangle

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



12.8681, 7.9492, 17.9957



13.3688, 7.9492, 4.5264



3.9529, 7.9492, 3.2803



3.7320, 7.9492, 14.7455

Sweetspot

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



12.8684, 7.9496, 17.9959



30.0313, 27.3634, 37.1670



6.4876, 4.6103, 19.9503



6.7038, 5.9812, 8.3759



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.



12.8684, 7.9496, 17.9959



21.7969, 12.0126, 30.9753



11.0930, 7.2394, 8.6470



4.4814, 4.4057, 5.3396



11.9561, 5.8022, 16.8907



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8684, 7.9496, 17.9959



21.7969, 12.0126, 30.9753



10.6586, 16.1494, 13.0868



4.4814, 4.4057, 5.3396



11.9561, 5.8022, 16.8907



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8681, 7.9492, 17.9957 looks on a white background.

Color Contrast Check

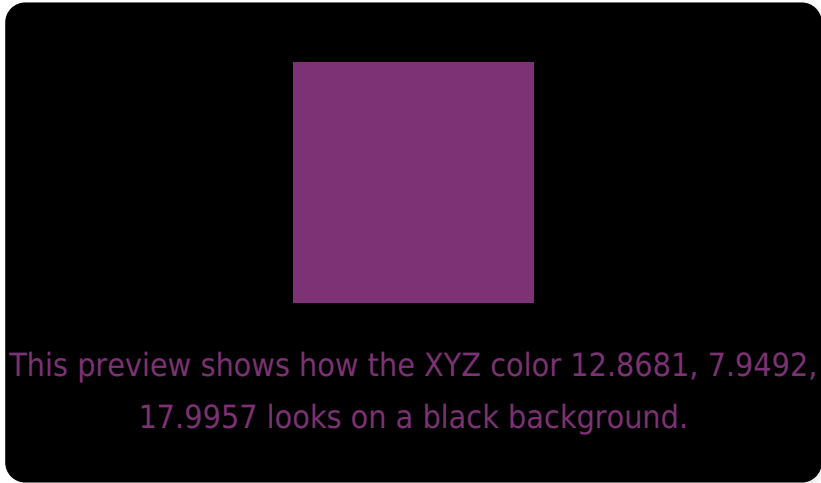
Large Text (above 18pt) WCAG AA ✓ Pass

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

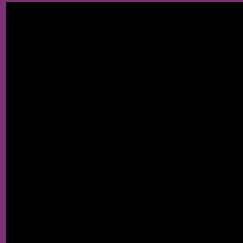
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8681, 7.9492, 17.9957

Background



This preview shows how black text looks on a background with the XYZ color 12.8681, 7.9492, 17.9957.



This preview shows how white text looks on a background with the XYZ color 12.8681, 7.9492, 17.9957.

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

12.8681, 7.9492, 17.9957

Protanopia

9.0476, 8.1358, 27.0801

Deuteranopia

8.3035, 8.1948, 16.7669



Tritanopia

10.4845, 8.0061, 6.4616

Trichromacy



Original Color

12.8681, 7.9492, 17.9957

Protanomaly

9.5121, 7.4752, 23.4958

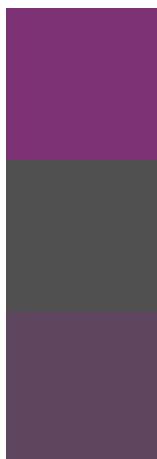
Deuteranomaly

9.3425, 7.6179, 17.1977

Tritanomaly

11.1288, 7.8648, 9.7356

Monochromacy



Original Color

12.8681, 7.9492, 17.9957

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.9724, 7.5512, 11.5743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8681, 7.9492, 17.9957 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, 50, 118)` looks like.

```
.text, #text, p{  
    color:rgb(125, 50, 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, 50, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 50, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.8681, 7.9492, 17.9957 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, 50, 118) }
```


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

```
.border{ border-color:rgb(125, 50, 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, 50, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 50, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 50, 118); box-shadow:4px 4px 4px 4px rgb(125, 50, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8681, 7.9492, 17.9957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 50, 118) }
```

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

```
.background{ background-color: rgb(125, 50,  
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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