

Converting Colors

XYZ(12.7083, 6.5713, 12.1269)

Have a look what the booklet for
XYZ(12.7083, 6.5713, 12.1269)
contains.

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Color

**XYZ(12.7064, 6.5708,
12.1539)**

Conversions

Conversions Part 1

Format	Color
Hex	891062
RGB	137, 16, 98
RGB Percent	54%, 6%, 38%
CMY	0.4627, 0.9372, 0.6157
CMYK	0.00, 0.88, 0.28, 0.46
HSL	319°, 79%, 30%
HSV	319°, 88%, 54%
XYZ	12.7064, 6.5708, 12.1539
YIQ	61.5270, 45.7940, 51.1540

Conversions

Conversions Part 2

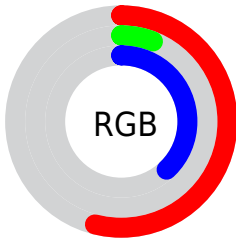
Format	Color
R_{YB}	137, 16, 98
Decimal	8982626
CIE _{Lab}	30.81, 53.90, -15.59
CIE _{LCh}	31, 56.108, 343.865
Yxy	6.5708, 0.4043, 0.2091
Android (android.graphics.Color)	4287172706 (0xFF891062)
YUV	61.5270, 17.9812, 66.1898
Hunter-Lab	25.6336, 43.6226, -10.1683

Details

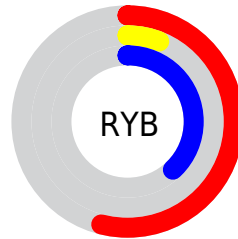
The XYZ color **12.7064, 6.5708, 12.1539** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.8494, 18.2775, 6.6247**, and the grayscale version is **4.4821, 4.7155, 5.1352**.

A 20% lighter version of the original color is **30.3973, 19.0880, 30.5160**, and **4.0772, 2.0329, 3.3095** is the 20% darker color. If you saturate the color by 10%, you get **12.3434, 6.1693, 11.0323**, and if you desaturate by 10%, it is **13.1925, 7.2000, 13.3734**.

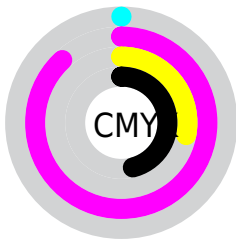
Distribution



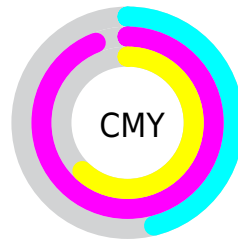
- Red (54%)
- Green (6%)
- Blue (38%)



- Red (54%)
- Yellow (6%)
- Blue (38%)



- Cyan (0%)
- Magenta (88%)
- Yellow (28%)
- Black (46%)



- Cyan (46%)
- Magenta (94%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7064, 6.5708, 12.1539 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 12.7064, 6.5708, 12.1539 by changing the saturation by 10% instead.

12.7064, 6.5708,
12.1539

12.7064, 6.5708,
12.1539

202.7032,
164.0482, 216.4354

7.3023, 3.1952,
6.7248

30.3811, 19.1044,
30.4437

3.6999, 1.2345,
3.2147

43.3824, 29.0312,
44.1414

1.5338, 0.0896,
1.2053

59.6469, 41.9105,
61.4324

0.3486, 0.0000,
0.0000


79.5398, 58.1266,
82.7352


0.0000, 0.0000,
0.0000

103.4265, 78.0641,
108.4684


131.6724,

102.1073, 139.0505


 164.6429,
130.6405, 174.9000

 12.7064, 6.5708,
12.1539


 12.7064, 6.5708,
12.1539


 12.3434, 6.1693,
11.0323


 13.1925, 7.2000,
13.3734

 12.2852, 6.1058,
10.8496

 13.8405, 8.1343,
14.7044

 14.6682, 9.4089,
16.1538

 15.6907, 11.0542,
17.7276

 16.9218, 13.0969,
19.4311

■ 18.3737, 15.5613,
21.2692

■ 20.0577, 18.4700,
23.2465

■ 21.9843, 21.8437,
25.3673

■ 24.1634, 25.7018,
27.6356

Harmonies

Analogous

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



10.5963, 6.5708, 24.2058



12.7064, 6.5708, 12.1539



12.7923, 6.5708, 4.1413

Triad

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



12.7064, 6.5708, 12.1539



5.0781, 6.5708, 0.0000



3.1917, 6.5708, 23.2762

Complementary

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



12.7064, 6.5708, 12.1539



9.8494, 18.2775, 6.6247

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.



2.4297, 6.5708, 11.3591



12.7064, 6.5708, 12.1539



3.2859, 6.5708, 0.8856

Square

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



12.7064, 6.5708, 12.1539



7.8080, 6.5708, 0.0000



2.4583, 6.5708, 3.7573



4.9065, 6.5708, 33.1921

Rectangle

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



12.7064, 6.5708, 12.1539



11.6475, 6.5708, 1.6448



2.4583, 6.5708, 3.7573



2.8411, 6.5708, 19.1067

Sweetspot

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



12.7066, 6.5712, 12.1540



33.3979, 28.7149, 38.6868



6.2397, 2.9704, 23.9114



7.3041, 6.1204, 8.4502



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7066, 6.5712, 12.1540



21.9239, 10.9038, 19.0260



10.8550, 5.8305, 2.4034



5.1664, 5.1020, 5.9648



11.4492, 5.6898, 10.1358



0.0828, 0.0405, 0.1027

Inverse Universe

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



12.7066, 6.5712, 12.1540



21.9239, 10.9038, 19.0260



12.2436, 19.2352, 19.2325



5.1664, 5.1020, 5.9648



11.4492, 5.6898, 10.1358



0.0828, 0.0405, 0.1027

Previews

White Background



This preview shows how the XYZ color 12.7064, 6.5708, 12.1539 looks on a white background.

Color Contrast Check

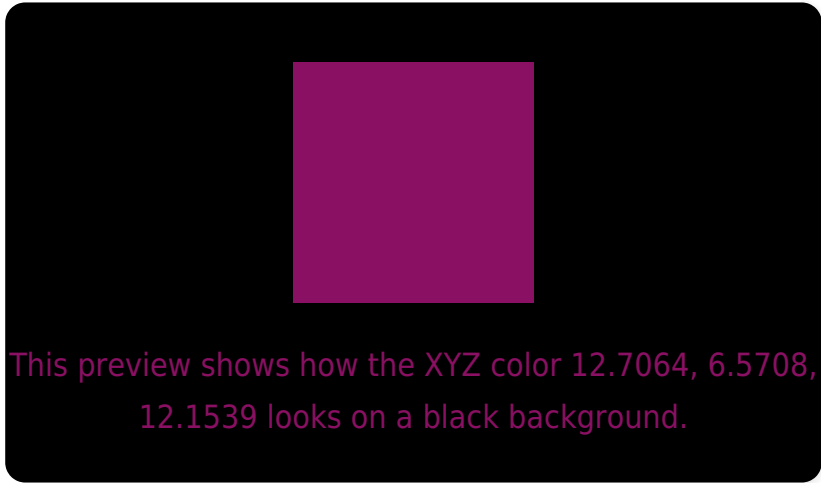
Large Text (above 18pt) WCAG AA ✓ Pass

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

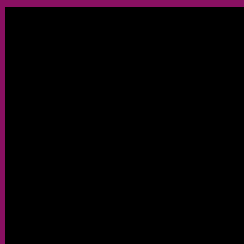
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7064, 6.5708, 12.1539

Background



This preview shows how black text looks on a background with the XYZ color 12.7064, 6.5708, 12.1539.



This preview shows how white text looks on a background with the XYZ color 12.7064, 6.5708,

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

12.7064, 6.5708, 12.1539

Protanopia

7.8527, 7.0635, 24.6164

Deuteranopia

7.0620, 6.9543, 11.0953



Tritanopia

10.9018, 6.7468, 3.0132

Trichromacy



Original Color

12.7064, 6.5708, 12.1539

Protanomaly

7.8637, 5.4638, 19.3791

Deuteranomaly

8.0722, 5.7509, 11.2743

Tritanomaly

11.2452, 6.4602, 5.3569

Monochromacy



Original Color

12.7064, 6.5708, 12.1539

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.3282, 4.5086, 7.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7064, 6.5708, 12.1539 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(137, 16, 98)` looks like.

```
.text, #text, p{  
    color:rgb(137, 16, 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(137, 16, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 16, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.7064, 6.5708, 12.1539 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(137, 16, 98) }
```


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

```
.border{ border-color:rgb(137, 16, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 16, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 16, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 16, 98);  
box-shadow:4px 4px 4px 4px rgb(137, 16,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7064, 6.5708, 12.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 16, 98) }
```

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

```
.background{ background-color: rgb(137, 16,  
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](#).

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