

Converting Colors

XYZ(12.5093, 6.5656, 6.1396)

Have a look what the booklet for
XYZ(12.5093, 6.5656, 6.1396)
contains.

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Color

**XYZ(12.5281, 6.5711,
6.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0E44
RGB	143, 14, 68
RGB Percent	56%, 5%, 27%
CMY	0.4392, 0.9450, 0.7333
CMYK	0.00, 0.90, 0.52, 0.44
HSL	335°, 82%, 31%
HSV	335°, 90%, 56%
XYZ	12.5281, 6.5711, 6.0769
YIQ	58.7270, 59.5500, 44.1420

Conversions

Conversions Part 2

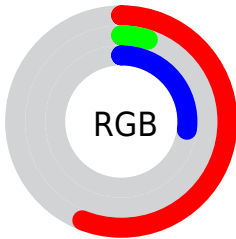
Format	Color
R_{YB}	143, 14, 68
Decimal	9375300
CIE Lab	30.81, 52.69, 4.28
CIE LCh	31, 52.866, 4.639
Yxy	6.5711, 0.4976, 0.2610
Android (android.graphics.Color)	4287565380 (0xFF8F0E44)
YUV	58.7270, 4.5716, 73.9074
Hunter-Lab	25.6342, 42.3780, 3.8885

Details

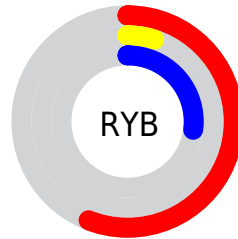
The XYZ color **12.5281, 6.5711, 6.0769** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.8076, 20.4598, 12.7816**, and the grayscale version is **4.1093, 4.3234, 4.7081**.

A 20% lighter version of the original color is **30.1634, 19.1253, 18.6248**, and **4.0242, 2.0530, 1.1615** is the 20% darker color. If you saturate the color by 10%, you get **12.1393, 6.1643, 4.8042**, and if you desaturate by 10%, it is **13.0659, 7.2114, 7.5984**.

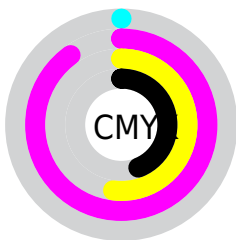
Distribution



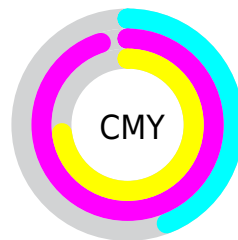
- Red (56%)
- Green (5%)
- Blue (27%)



- Red (56%)
- Yellow (5%)
- Blue (27%)



- Cyan (0%)
- Magenta (90%)
- Yellow (52%)
- Black (44%)





- Cyan (44%)
- Magenta (95%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5281, 6.5711, 6.0769 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 12.5281, 6.5711, 6.0769 by changing the saturation by 10% instead.


 12.5281, 6.5711,
6.0769


 12.5281, 6.5711,
6.0769


201.5701,
164.0508, 169.0854


 7.1792, 3.1954,
2.8224


 30.0619, 19.1050,
18.5707


 3.6217, 1.2346,
1.0047

 42.9775, 29.0320,
28.6471


 1.4904, 0.0897,
0.0000

 59.1461, 41.9115,
41.8344

 0.3193, 0.0000,
0.0000


 78.9329, 58.1279,
58.5514


 0.0000, 0.0000,
0.0000


 102.7033, 78.0657,
79.2164


 130.8228,


102.1091, 104.2480

 163.6566,
130.6427, 134.0648

 12.5281, 6.5711,
6.0769


 12.5281, 6.5711,
6.0769


 12.1393, 6.1643,
4.8042

 13.0659, 7.2114,
7.5984

 13.8027, 8.1896,
9.3708

 14.7600, 9.5470,
11.4080

 15.9564, 11.3184,
13.7225

 17.4083, 13.5348,
16.3258

■ 19.1307, 16.2242,
19.2286

■ 21.1372, 19.4122,
22.4410

■ 23.4407, 23.1226,
25.9725

■ 26.0530, 27.3777,
29.8324

Harmonies

Analogous

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



11.8151, 6.5711, 15.0248



12.5281, 6.5711, 6.0769



11.2182, 6.5711, 1.7693

Triad

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



12.5281, 6.5711, 6.0769



3.8501, 6.5711, 0.6729



4.3700, 6.5711, 28.8639

Complementary

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



12.5281, 6.5711, 6.0769



11.8076, 20.4598, 12.7816

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.



3.0146, 6.5711, 18.4914



12.5281, 6.5711, 6.0769



2.7768, 6.5711, 2.6642

Square

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



12.5281, 6.5711, 6.0769



5.8570, 6.5711, 0.0299



2.5190, 6.5711, 8.3532



6.6511, 6.5711, 32.3098

Rectangle

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



12.5281, 6.5711, 6.0769



9.5394, 6.5711, 0.6996



2.5190, 6.5711, 8.3532



3.8135, 6.5711, 25.8371

Sweetspot

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



12.5283, 6.5715, 6.0770



35.1542, 30.4669, 35.8926



9.0556, 4.3291, 26.3447



7.8267, 6.6158, 7.8476



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.5283, 6.5715, 6.0770



21.6581, 11.0067, 8.1738



11.7058, 6.4690, 1.0477



5.4966, 5.4592, 6.1134



10.7435, 5.4544, 4.3007



0.1133, 0.0564, 0.0969

Inverse Universe

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



12.5283, 6.5715, 6.0770



21.6581, 11.0067, 8.1738



13.7198, 19.2378, 28.9766



5.4966, 5.4592, 6.1134



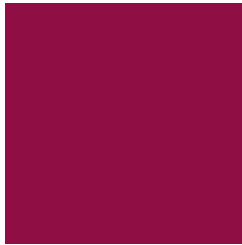
10.7435, 5.4544, 4.3007



0.1133, 0.0564, 0.0969

Previews

White Background



This preview shows how the XYZ color 12.5281, 6.5711, 6.0769 looks on a white background.

Color Contrast Check

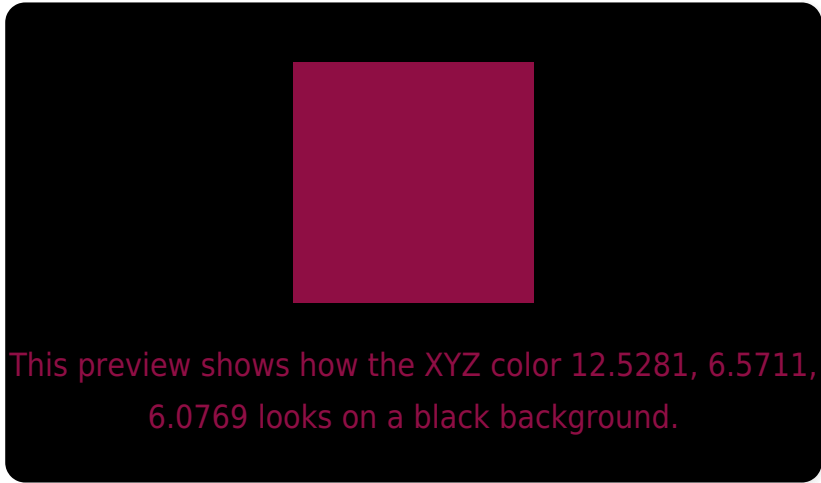
Large Text (above 18pt) WCAG AA ✓ Pass

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

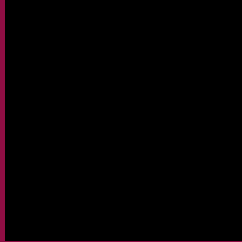
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5281, 6.5711, 6.0769

Background



This preview shows how black text looks on a background with the XYZ color 12.5281, 6.5711, 6.0769.



This preview shows how white text looks on a background with the XYZ color 12.5281, 6.5711,

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

12.5281, 6.5711, 6.0769

Protanopia

7.0607, 7.0258, 12.2932

Deuteranopia

7.0246, 6.9610, 5.5308



Tritanopia

11.6582, 6.6352, 1.8946

Trichromacy



Original Color

12.5281, 6.5711, 6.0769

Protanomaly

7.7316, 5.6147, 9.4803

Deuteranomaly

8.1726, 5.8636, 5.5515

Tritanomaly

11.9366, 6.5859, 3.0249

Monochromacy



Original Color

12.5281, 6.5711, 6.0769

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.9498, 4.2492, 5.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5281, 6.5711, 6.0769 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(143, 14, 68)` looks like.

```
.text, #text, p{  
    color:rgb(143, 14, 68)  
}
```

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(143, 14, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 14, 68) }
```

Border

The CSS property to change the border of an element to XYZ 12.5281, 6.5711, 6.0769 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(143, 14, 68) }
```


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

```
.border{ border-color:rgb(143, 14, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 14, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 14, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 14, 68);  
box-shadow:4px 4px 4px 4px rgb(143, 14,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5281, 6.5711, 6.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 14, 68) }
```

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

```
.background{ background-color: rgb(143, 14,  
68) }
```

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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