

Converting Colors

XYZ(13.0536, 7.0255, 5.6968)

Have a look what the booklet for
XYZ(13.0536, 7.0255, 5.6968)
contains.

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Color

**XYZ(13.0764, 7.0290,
5.6686)**

Conversions

Conversions Part 1

Format	Color
Hex	921541
RGB	146, 21, 65
RGB Percent	57%, 8%, 25%
CMY	0.4275, 0.9176, 0.7451
CMYK	0.00, 0.86, 0.55, 0.43
HSL	339°, 75%, 33%
HSV	339°, 86%, 57%
XYZ	13.0764, 7.0290, 5.6686
YIQ	63.3910, 60.3760, 40.1840

Conversions

Conversions Part 2

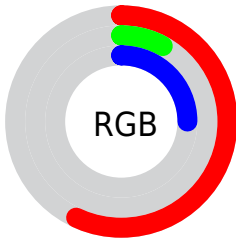
Format	Color
R_{YB}	146, 21, 65
Decimal	9573697
CIE Lab	31.87, 51.77, 7.86
CIE LCh	32, 52.364, 8.633
Yxy	7.0290, 0.5073, 0.2727
Android (android.graphics.Color)	4287763777 (0xFF921541)
YUV	63.3910, 0.7932, 72.4481
Hunter-Lab	26.5123, 41.6435, 5.8818

Details

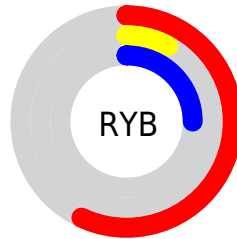
The XYZ color **13.0764, 7.0290, 5.6686** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.9872, 21.6768, 16.0729**, and the grayscale version is **4.7759, 5.0246, 5.4718**.

A 20% lighter version of the original color is **31.0439, 20.0338, 17.5600**, and **4.2745, 2.1857, 1.0072** is the 20% darker color. If you saturate the color by 10%, you get **12.6262, 6.5312, 4.2777**, and if you desaturate by 10%, it is **13.7249, 7.8500, 7.3523**.

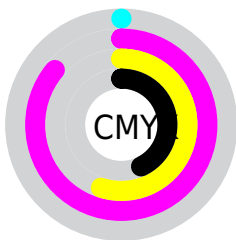
Distribution



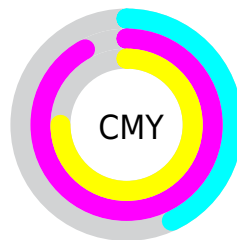
- Red (57%)
- Green (8%)
- Blue (25%)



- Red (57%)
- Yellow (8%)
- Blue (25%)



- Cyan (0%)
- Magenta (86%)
- Yellow (55%)
- Black (43%)




- Cyan (43%)
- Magenta (92%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0764, 7.0290, 5.6686 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 13.0764, 7.0290, 5.6686 by changing the saturation by 10% instead.


 13.0764, 7.0290,
5.6686


 13.0764, 7.0290,
5.6686


205.0344,
167.9044, 165.2780


 7.5585, 3.4802,
2.5791


 31.0411, 20.0315,
17.7047


 3.8632, 1.3873,
0.8817

 44.2187, 30.2541,
27.4884


 1.6250, 0.2073,
0.0000

 60.6802, 43.4700,
40.3406

 0.4086, 0.0000,
0.0000

 80.7910, 60.0638,
56.6799

 0.0000, 0.0000,
0.0000

 104.9165, 80.4197,
76.9247

 133.4220,

104.9222, 101.4936

166.6729,
133.9556, 130.8052

13.0764, 7.0290,
5.6686

13.0764, 7.0290,
5.6686

12.6262, 6.5312,
4.2777

13.7249, 7.8500,
7.3523

12.4601, 6.3534,
3.7461

14.6010, 9.0493,
9.3490

15.7265, 10.6672,
11.6758

17.1203, 12.7388,
14.3482

18.7997, 15.2953,
17.3809

■ 20.7800, 18.3651,
20.7874

■ 23.0758, 21.9745,
24.5805

■ 25.7005, 26.1480,
28.7725

■ 28.6668, 30.9084,
33.3748

Harmonies

Analogous

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



12.6248, 7.0290, 14.2817



13.0764, 7.0290, 5.6686



11.4935, 7.0290, 1.6858

Triad

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



13.0764, 7.0290, 5.6686



3.9820, 7.0290, 0.9823



4.9938, 7.0290, 30.8108

Complementary

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



13.0764, 7.0290, 5.6686



12.9872, 21.6768, 16.0729

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.



3.4433, 7.0290, 20.8249



13.0764, 7.0290, 5.6686



2.9755, 7.0290, 3.4785

Square

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



13.0764, 7.0290, 5.6686



5.9461, 7.0290, 0.2225



2.8085, 7.0290, 10.0546



7.4737, 7.0290, 32.9757

Rectangle

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



13.0764, 7.0290, 5.6686



9.6934, 7.0290, 0.7161



2.8085, 7.0290, 10.0546



4.3677, 7.0290, 28.0443

Sweetspot

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



13.0766, 7.0294, 5.6687



36.3149, 31.8621, 36.0918



10.7312, 5.3312, 27.6575



7.8318, 6.7039, 7.6090



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.



13.0766, 7.0294, 5.6687



21.9075, 11.1787, 6.2211



12.6723, 7.5308, 1.4957



5.8801, 5.8471, 6.4746



10.9748, 5.5950, 3.3481



0.1473, 0.0737, 0.1095

Inverse Universe

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



13.0766, 7.0294, 5.6687



21.9075, 11.1787, 6.2211



13.3923, 18.0238, 29.9672



5.8801, 5.8471, 6.4746



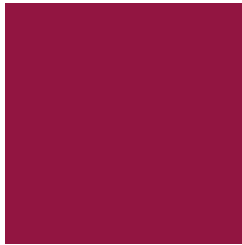
10.9748, 5.5950, 3.3481



0.1473, 0.0737, 0.1095

Previews

White Background



This preview shows how the XYZ color 13.0764, 7.0290, 5.6686 looks on a white background.

Color Contrast Check

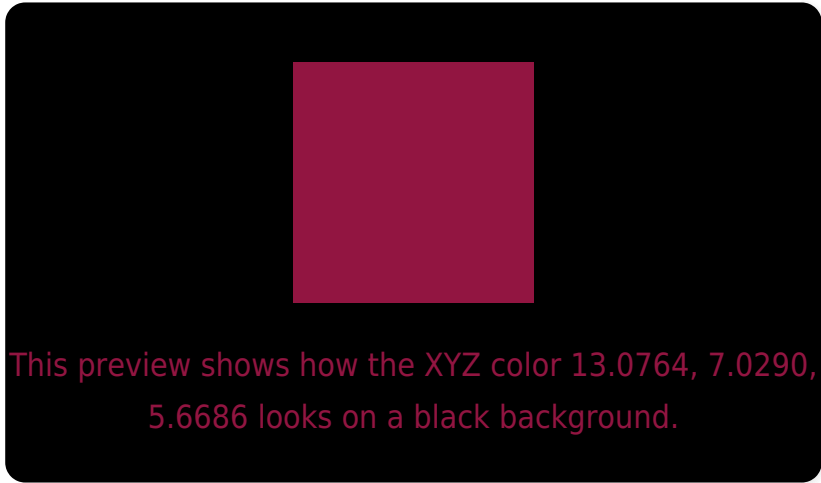
Large Text (above 18pt) WCAG AA ✓ Pass

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

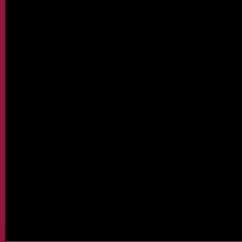
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0764, 7.0290, 5.6686

Background



This preview shows how black text looks on a background with the XYZ color 13.0764, 7.0290, 5.6686.



This preview shows how white text looks on a background with the XYZ color 13.0764, 7.0290,

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

13.0764, 7.0290, 5.6686

Protanopia

7.3402, 7.3974, 11.1662

Deuteranopia

7.4546, 7.3870, 5.1706



Tritanopia

12.4278, 7.1040, 2.0827

Trichromacy



Original Color

13.0764, 7.0290, 5.6686

Protanomaly

8.1927, 6.1469, 8.7373

Deuteranomaly

8.6389, 6.3843, 5.1919

Tritanomaly

12.5236, 6.9855, 3.0711

Monochromacy



Original Color

13.0764, 7.0290, 5.6686

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.4966, 4.8112, 5.4367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0764, 7.0290, 5.6686 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(146, 21, 65)` looks like.

```
.text, #text, p{  
    color:rgb(146, 21, 65)  
}
```

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(146, 21, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 21, 65) }
```

Border

The CSS property to change the border of an element to XYZ 13.0764, 7.0290, 5.6686 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(146, 21, 65) }
```


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

```
.border{ border-color:rgb(146, 21, 65) }
```

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

Here you see how a box with a 4 pixel rgb(146, 21, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 21, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 21, 65);  
box-shadow:4px 4px 4px 4px rgb(146, 21,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0764, 7.0290, 5.6686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 21, 65) }
```

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

```
.background{ background-color: rgb(146, 21,  
65) }
```

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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