

Converting Colors

XYZ(13.5976, 6.6933, 14.9376)

Have a look what the booklet for
XYZ(13.5976, 6.6933, 14.9376)
contains.

XYZ(13.5755, 6.6796, 15.0418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.5755, 6.6796,
15.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	8C006D
RGB	140, 0, 109
RGB Percent	55%, 0%, 43%
CMY	0.4510, 0.9999, 0.5725
CMYK	0.00, 1.00, 0.22, 0.45
HSL	313°, 100%, 27%
HSV	313°, 100%, 55%
XYZ	13.5755, 6.6796, 15.0418
YIQ	54.2860, 48.4510, 63.5790

Conversions

Conversions Part 2

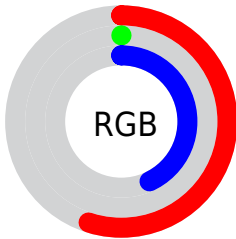
Format	Color
RYB	140, 0, 109
Decimal	9175149
CIELab	31.07, 58.49, -22.24
CIELCh	31, 62.577, 339.181
Yxy	6.6796, 0.3846, 0.1892
Android (android.graphics.Color)	4287365229 (0xFF8C006D)
YUV	54.2860, 26.9740, 75.1712
Hunter-Lab	25.8449, 48.5317, -16.4155

Details

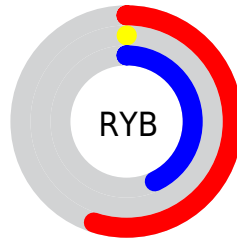
The XYZ color **13.5755, 6.6796, 15.0418** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.6258, 18.8553, 4.4296**, and the grayscale version is **3.5064, 3.6890, 4.0173**.

A 20% lighter version of the original color is **31.9078, 19.3411, 35.7697**, and **4.5886, 2.2682, 4.6108** is the 20% darker color. If you saturate the color by 10%, you get **13.5753, 6.6795, 15.0408**, and if you desaturate by 10%, it is **13.9027, 7.0621, 15.9890**.

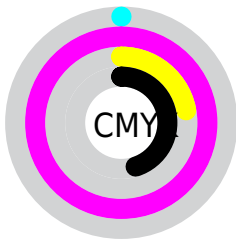
Distribution



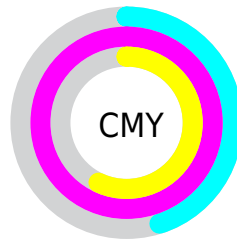
- Red (55%)
- Green (0%)
- Blue (43%)



- Red (55%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5755, 6.6796, 15.0418 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 13.5755, 6.6796, 15.0418 by changing the saturation by 10% instead.

13.5755, 6.6796,
15.0418

13.5755, 6.6796,
15.0418

208.1377,
164.9742, 235.2686

7.9057, 3.2625,
8.7018

31.9265, 19.3257,
35.6698

4.0860, 1.2703,
4.4530

45.3384, 29.3235,
50.7949

1.7509, 0.1180,
1.8770

62.0618, 42.2837,
69.6855

0.4878, 0.0000,
0.4781


82.4620, 58.5907,
92.7600

0.0000, 0.0000,
0.0000

106.9043, 78.6288,
120.4370

135.7541,

102.7826, 153.1351


 169.3768,
131.4362, 191.2728


 13.5755, 6.6796,
15.0418


 13.5755, 6.6796,
15.0418


 13.5753, 6.6795,
15.0408

 13.9027, 7.0621,
15.9890

 14.3370, 7.6492,
17.0012

 14.9317, 8.5478,
18.0965

 15.7061, 9.7958,
19.2816

 16.6764, 11.4259,
20.5621

■ 17.8570, 13.4668,
21.9433

■ 19.2611, 15.9447,
23.4297

■ 20.9006, 18.8833,
25.0256

■ 22.7867, 22.3049,
26.7349

Harmonies

Analogous

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



10.8306, 6.6796, 29.6647



13.5755, 6.6796, 15.0418



14.0937, 6.6796, 4.9052

Triad

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



13.5755, 6.6796, 15.0418



5.4568, 6.6796, 0.0000



2.7968, 6.6796, 23.9223

Complementary

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



13.5755, 6.6796, 15.0418



9.6258, 18.8553, 4.4296

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.



2.1359, 6.6796, 10.3013



13.5755, 6.6796, 15.0418



3.3135, 6.6796, 0.3534

Square

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



13.5755, 6.6796, 15.0418



8.6741, 6.6796, 0.0000



2.2885, 6.6796, 2.7821



4.4812, 6.6796, 37.0590

Rectangle

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



13.5755, 6.6796, 15.0418



12.9835, 6.6796, 1.7673



2.2885, 6.6796, 2.7821



2.4768, 6.6796, 18.9474

Sweetspot

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



13.5757, 6.6800, 15.0419



33.7864, 27.8056, 41.1331



5.2794, 2.1751, 24.9525



7.5641, 6.0152, 9.2491



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.5757, 6.6800, 15.0419



23.8722, 11.7516, 26.1921



11.1930, 5.7268, 2.4944



5.1872, 5.1103, 6.0745



12.0698, 5.9381, 13.4040



0.0856, 0.0416, 0.1175

Inverse Universe

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



13.5757, 6.6800, 15.0419



23.8722, 11.7516, 26.1921



11.6950, 19.6829, 15.3254



5.1872, 5.1103, 6.0745



12.0698, 5.9381, 13.4040



0.0856, 0.0416, 0.1175

Previews

White Background



This preview shows how the XYZ color 13.5755, 6.6796, 15.0418 looks on a white background.

Color Contrast Check

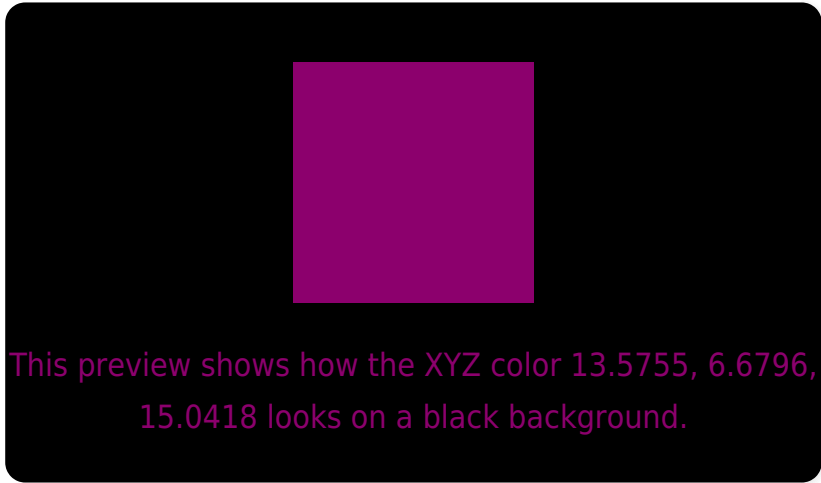
Large Text (above 18pt) WCAG AA ✓ Pass

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

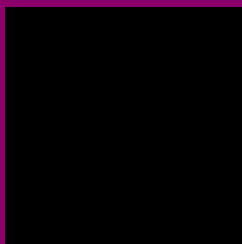
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5755, 6.6796, 15.0418

Background



This preview shows how black text looks on a background with the XYZ color 13.5755, 6.6796, 15.0418.



This preview shows how white text looks on a background with the XYZ color 13.5755, 6.6796, 15.0418.

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

13.5755, 6.6796, 15.0418

Protanopia

8.5963, 7.3833, 31.9824

Deuteranopia

7.3686, 7.2567, 13.5827



Tritanopia

11.3292, 7.0681, 3.2498

Trichromacy



Original Color

13.5755, 6.6796, 15.0418

Protanomaly

7.5906, 4.8921, 24.5890

Deuteranomaly

8.3261, 5.5667, 14.0003

Tritanomaly

11.7518, 6.5196, 6.1079

Monochromacy



Original Color

13.5755, 6.6796, 15.0418

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5544, 3.5698, 6.8749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5755, 6.6796, 15.0418 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(140, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 109)  
}
```

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(140, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.5755, 6.6796, 15.0418 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(140, 0, 109) }
```


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

```
.border{ border-color:rgb(140, 0, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5755, 6.6796, 15.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 109) }
```

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

```
.background{ background-color: rgb(140, 0,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor