

Converting Colors

XYZ(13.2846, 6.4200, 8.6342)

Have a look what the booklet for
XYZ(13.2846, 6.4200, 8.6342)
contains.

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Color

**XYZ(13.4154, 6.7355,
8.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	920053
RGB	146, 0, 83
RGB Percent	57%, 0%, 33%
CMY	0.4275, 0.9999, 0.6745
CMYK	0.00, 1.00, 0.43, 0.43
HSL	326°, 100%, 29%
HSV	326°, 100%, 57%
XYZ	13.4154, 6.7355, 8.7766
YIQ	53.1160, 60.3730, 56.7650

Conversions

Conversions Part 2

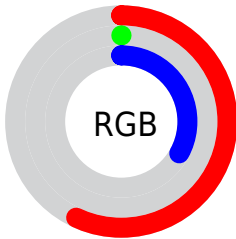
Format	Color
R_{YB}	146, 0, 83
Decimal	9568339
CIE Lab	31.20, 56.90, -5.02
CIE LCh	31, 57.116, 354.958
Yxy	6.7355, 0.4638, 0.2328
Android (android.graphics.Color)	4287758419 (0xFF920053)
YUV	53.1160, 14.7328, 81.4593
Hunter-Lab	25.9528, 46.8518, -1.8834

Details

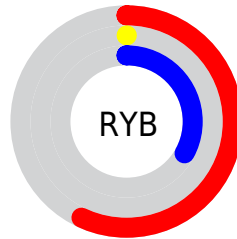
The XYZ color **13.4154, 6.7355, 8.7766** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.1768, 20.9170, 8.1533**, and the grayscale version is **3.3766, 3.5525, 3.8686**.

A 20% lighter version of the original color is **31.5155, 19.4009, 23.9135**, and **4.4697, 2.2638, 2.0351** is the 20% darker color. If you saturate the color by 10%, you get **13.4151, 6.7354, 8.7752**, and if you desaturate by 10%, it is **13.8354, 7.1682, 10.1720**.

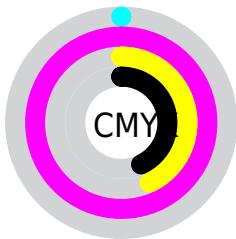
Distribution



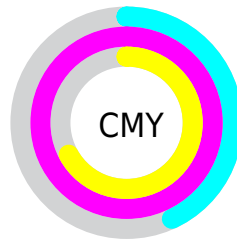
- Red (57%)
- Green (0%)
- Blue (33%)



- Red (57%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4154, 6.7355, 8.7766 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 13.4154, 6.7355, 8.7766 by changing the saturation by 10% instead.


 13.4154, 6.7355,
8.7766


 13.4154, 6.7355,
8.7766

207.1473,
165.4475, 191.8588


 7.7942, 3.2972,
4.5009


 31.6431, 19.4391,
24.0382


 4.0142, 1.2888,
1.9040

 44.9803, 29.4732,
35.8613


 1.7102, 0.1325,
0.4953

 61.6201, 42.4748,
51.0372

 0.4626, 0.0000,
0.0000


 81.9280, 58.8281,
69.9845


 0.0000, 0.0000,
0.0000


 106.2693, 78.9177,
93.1218


 135.0094,

103.1278, 120.8676

 168.5136,
131.8429, 153.6404


 13.4154, 6.7355,
8.7766


 13.4154, 6.7355,
8.7766


 13.4151, 6.7354,
8.7752

 13.8354, 7.1682,
10.1720

 14.3918, 7.8376,
11.7247

 15.1414, 8.8561,
13.4563

 16.1058, 10.2663,
15.3768

 17.3037, 12.1047,
17.4947

■ 18.7516, 14.4033,
19.8181

■ 20.4644, 17.1914,
22.3543

■ 22.4557, 20.4956,
25.1101

■ 24.7384, 24.3405,
28.0919

Harmonies

Analogous

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



11.9091, 6.7355, 20.2544



13.4154, 6.7355, 8.7766



12.6405, 6.7355, 2.5571

Triad

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



13.4154, 6.7355, 8.7766



4.3856, 6.7355, 0.1402



3.7781, 6.7355, 28.6345

Complementary

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



13.4154, 6.7355, 8.7766



11.1768, 20.9170, 8.1533

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.



2.6520, 6.7355, 15.9701



13.4154, 6.7355, 8.7766



2.9242, 6.7355, 1.5603

Square

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



13.4154, 6.7355, 8.7766



6.8876, 6.7355, 0.0000



2.3928, 6.7355, 6.0585



5.9396, 6.7355, 35.9788

Rectangle

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



13.4154, 6.7355, 8.7766



11.0258, 6.7355, 0.9390



2.3928, 6.7355, 6.0585



3.2941, 6.7355, 24.5515

Sweetspot

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



13.4156, 6.7359, 8.7767



35.9006, 29.9975, 39.1477



7.1033, 3.0628, 27.4110



7.7247, 6.2450, 8.3281



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.



13.4156, 6.7359, 8.7767



23.5798, 11.8476, 15.0273



11.9217, 6.1383, 0.9102



5.9306, 5.8673, 6.7406



11.8167, 5.9317, 7.7816



0.1594, 0.0785, 0.1733

Inverse Universe

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



13.4156, 6.7359, 8.7767



23.5798, 11.8476, 15.0273



14.5707, 22.2745, 26.0253



5.9306, 5.8673, 6.7406



11.8167, 5.9317, 7.7816



0.1594, 0.0785, 0.1733

Previews

White Background



This preview shows how the XYZ color 13.4154, 6.7355, 8.7766 looks on a white background.

Color Contrast Check

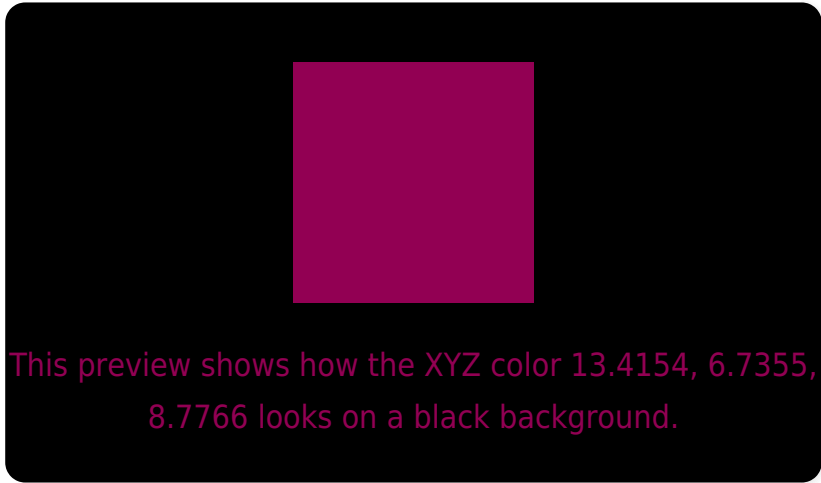
Large Text (above 18pt) WCAG AA ✓ Pass

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

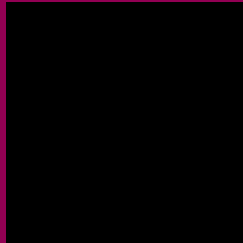
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4154, 6.7355, 8.7766

Background



This preview shows how black text looks on a background with the XYZ color 13.4154, 6.7355, 8.7766.



This preview shows how white text looks on a background with the XYZ color 13.4154, 6.7355,

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

13.4154, 6.7355, 8.7766

Protanopia

7.7703, 7.3562, 18.4631

Deuteranopia

7.4445, 7.3182, 8.0414



Tritanopia

12.1603, 7.0428, 2.2319

Trichromacy



Original Color

13.4154, 6.7355, 8.7766

Protanomaly

8.0721, 5.4298, 14.2583

Deuteranomaly

8.4912, 5.7233, 8.0543

Tritanomaly

12.3896, 6.7136, 3.8917

Monochromacy



Original Color

13.4154, 6.7355, 8.7766

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4279, 3.5405, 5.2478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4154, 6.7355, 8.7766 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, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 83)  
}
```

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, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.4154, 6.7355, 8.7766 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, 0, 83) }
```


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

```
.border{ border-color:rgb(146, 0, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(146, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4154, 6.7355, 8.7766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 83) }
```

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

```
.background{ background-color: rgb(146, 0,  
83) }
```

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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