

Converting Colors

XYZ(13.3016, 6.6771, 8.7772)

Have a look what the booklet for
XYZ(13.3016, 6.6771, 8.7772)
contains.

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Color

**XYZ(13.2384, 6.6443,
8.7683)**

Conversions

Conversions Part 1

Format	Color
Hex	910053
RGB	145, 0, 83
RGB Percent	57%, 0%, 33%
CMY	0.4314, 0.9999, 0.6745
CMYK	0.00, 1.00, 0.43, 0.43
HSL	326°, 100%, 28%
HSV	326°, 100%, 57%
XYZ	13.2384, 6.6443, 8.7683
YIQ	52.8170, 59.7770, 56.5530

Conversions

Conversions Part 2

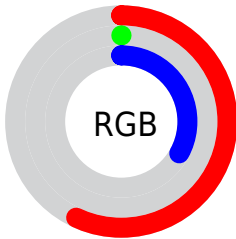
Format	Color
R_{YB}	145, 0, 83
Decimal	9502803
CIE _{Lab}	30.98, 56.67, -5.36
CIE _{LCh}	31, 56.921, 354.595
Yxy	6.6443, 0.4621, 0.2319
Android (android.graphics.Color)	4287692883 (0xFF910053)
YUV	52.8170, 14.8802, 80.8445
Hunter-Lab	25.7765, 46.5657, -2.1249

Details

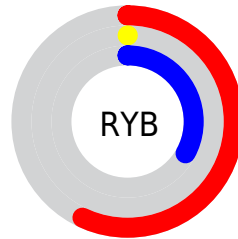
The XYZ color **13.2384, 6.6443, 8.7683** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.9957, 20.5989, 7.9566**, and the grayscale version is **3.3406, 3.5146, 3.8274**.

A 20% lighter version of the original color is **31.2422, 19.2600, 23.9007**, and **4.3744, 2.2146, 2.0306** is the 20% darker color. If you saturate the color by 10%, you get **13.2381, 6.6441, 8.7667**, and if you desaturate by 10%, it is **13.6528, 7.0726, 10.1410**.

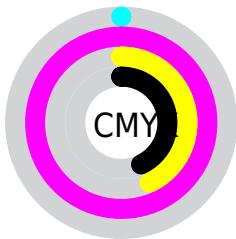
Distribution



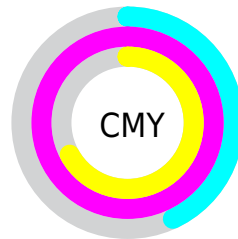
- Red (57%)
- Green (0%)
- Blue (33%)



- 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 13.2384, 6.6443, 8.7683 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 13.2384, 6.6443, 8.7683 by changing the saturation by 10% instead.


 13.2384, 6.6443,
8.7683


 13.2384, 6.6443,
8.7683


206.0468,
164.6745, 191.7939


 7.6710, 3.2407,
4.4956


 31.3291, 19.2540,
24.0220


 3.9352, 1.2586,
1.9010

 44.5832, 29.2288,
35.8401


 1.6655, 0.1088,
0.4934

 61.1302, 42.1628,
51.0103

 0.4346, 0.0000,
0.0000


 81.3355, 58.4404,
69.9514


 0.0000, 0.0000,
0.0000


 105.5644, 78.4460,
93.0817


 134.1824,

102.5639, 120.8199

 167.5547,
131.1786, 153.5844

 13.2384, 6.6443,
8.7683


 13.2384, 6.6443,
8.7683


 13.2381, 6.6441,
8.7667

 13.6528, 7.0726,
10.1410

 14.2007, 7.7329,
11.6666

 14.9385, 8.7369,
13.3663

 15.8874, 10.1263,
15.2497

 17.0656, 11.9369,
17.3254

■ 18.4894, 14.2003,
19.6010

■ 20.1734, 16.9451,
22.0837

■ 22.1311, 20.1975,
24.7801

■ 24.3750, 23.9819,
27.6966

Harmonies

Analogous

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



11.7258, 6.6443, 20.1551



13.2384, 6.6443, 8.7683



12.5000, 6.6443, 2.5626

Triad

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



13.2384, 6.6443, 8.7683



4.3481, 6.6443, 0.1162



3.7052, 6.6443, 28.1433

Complementary

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



13.2384, 6.6443, 8.7683



10.9957, 20.5989, 7.9566

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.



2.6053, 6.6443, 15.6190



13.2384, 6.6443, 8.7683



2.8933, 6.6443, 1.5078

Square

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



13.2384, 6.6443, 8.7683



6.8302, 6.6443, 0.0000



2.3589, 6.6443, 5.8909



5.8268, 6.6443, 35.5151

Rectangle

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



13.2384, 6.6443, 8.7683



10.9167, 6.6443, 0.9407



2.3589, 6.6443, 5.8909



3.2316, 6.6443, 24.0928

Sweetspot

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



13.2386, 6.6447, 8.7684



35.9207, 30.0056, 39.2534



7.0005, 3.0188, 27.0018



7.7296, 6.2469, 8.3539



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.



13.2386, 6.6447, 8.7684



23.6189, 11.8633, 15.2334



11.7442, 6.0469, 0.8993



5.5301, 5.4726, 6.2893



11.3679, 5.7042, 7.5888



0.1197, 0.0590, 0.1308

Inverse Universe

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



13.2386, 6.6447, 8.7684



23.6189, 11.8633, 15.2334



14.3536, 21.9421, 25.6394



5.5301, 5.4726, 6.2893



11.3679, 5.7042, 7.5888



0.1197, 0.0590, 0.1308

Previews

White Background



This preview shows how the XYZ color 13.2384, 6.6443, 8.7683 looks on a white background.

Color Contrast Check

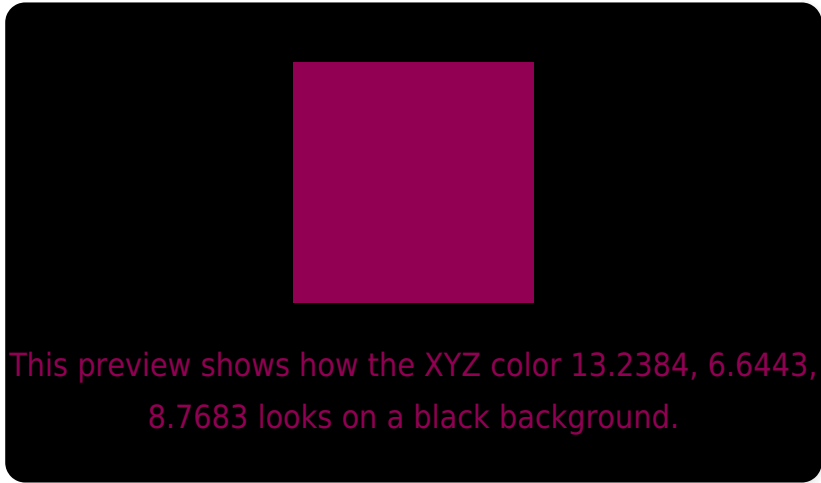
Large Text (above 18pt) WCAG AA ✓ Pass

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

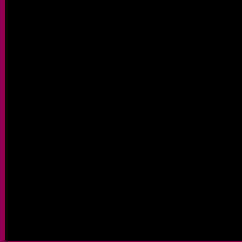
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2384, 6.6443, 8.7683

Background



This preview shows how black text looks on a background with the XYZ color 13.2384, 6.6443, 8.7683.



This preview shows how white text looks on a background with the XYZ color 13.2384, 6.6443,

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

13.2384, 6.6443, 8.7683

Protanopia

7.7093, 7.3247, 18.4602

Deuteranopia

7.3556, 7.2724, 8.0372



Tritanopia

11.9879, 6.9540, 2.2238

Trichromacy



Original Color

13.2384, 6.6443, 8.7683

Protanomaly

7.9729, 5.3787, 14.2536

Deuteranomaly

8.3717, 5.6617, 8.0487

Tritanomaly

12.2157, 6.6239, 3.8835

Monochromacy



Original Color

13.2384, 6.6443, 8.7683

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.3352, 3.4927, 5.2434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2384, 6.6443, 8.7683 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(145, 0, 83)` looks like.

```
.text, #text, p{  
  color:rgb(145, 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(145, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.2384, 6.6443, 8.7683 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(145, 0, 83) }
```


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

```
.border{ border-color:rgb(145, 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(145, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2384, 6.6443, 8.7683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 83) }
```

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

```
.background{ background-color: rgb(145, 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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