

Converting Colors

XYZ(13.5984, 6.8481, 7.9625)

Have a look what the booklet for
XYZ(13.5984, 6.8481, 7.9625)
contains.

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Color

**XYZ(13.6240, 6.8604,
8.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	94004F
RGB	148, 0, 79
RGB Percent	58%, 0%, 31%
CMY	0.4196, 0.9999, 0.6902
CMYK	0.00, 1.00, 0.47, 0.42
HSL	328°, 100%, 29%
HSV	328°, 100%, 58%
XYZ	13.6240, 6.8604, 8.0033
YIQ	53.2580, 62.8490, 55.9450

Conversions

Conversions Part 2

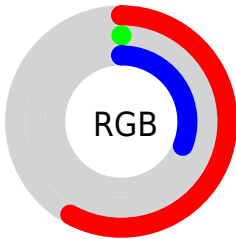
Format	Color
R_{YB}	148, 0, 79
Decimal	9699407
CIE _{Lab}	31.49, 56.99, -1.90
CIE _{LCh}	31, 57.019, 358.086
Yxy	6.8604, 0.4782, 0.2408
Android (android.graphics.Color)	4287889487 (0xFF94004F)
YUV	53.2580, 12.6908, 83.0887
Hunter-Lab	26.1924, 47.0104, 0.2181

Details

The XYZ color **13.6240, 6.8604, 8.0033** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.6648, 21.6097, 9.1895**, and the grayscale version is **3.3962, 3.5731, 3.8911**.

A 20% lighter version of the original color is **32.0772, 19.7215, 22.5380**, and **4.6178, 2.3455, 1.7995** is the 20% darker color. If you saturate the color by 10%, you get **13.6237, 6.8603, 8.0016**, and if you desaturate by 10%, it is **14.0567, 7.3027, 9.4519**.

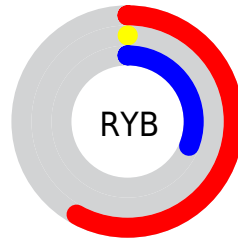
Distribution



Red (58%)

Green (0%)

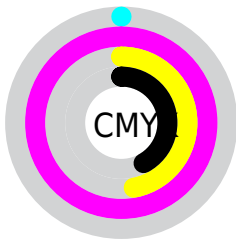
Blue (31%)



Red (58%)

Yellow (0%)

Blue (31%)

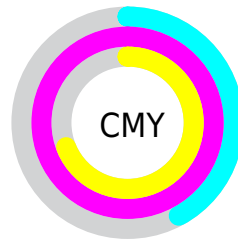


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (42%)



Cyan (42%)


Magenta (100%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6240, 6.8604, 8.0033 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 13.6240, 6.8604, 8.0033 by changing the saturation by 10% instead.


 13.6240, 6.8604,
8.0033


 13.6240, 6.8604,
8.0033


208.4368,
166.4986, 185.6935


 7.9396, 3.3749,
4.0093


 32.0122, 19.6918,
22.5112

 4.1078, 1.3305,
1.6304

 45.4468, 29.8066,
33.8621


 1.7633, 0.1646,
0.3124

 62.1953, 42.8999,
48.5024

 0.4954, 0.0000,
0.0000


 82.6233, 59.3562,
66.8506


 0.0000, 0.0000,
0.0000


 107.0961, 79.5598,
89.3253


 135.9791,

103.8951, 116.3450

 169.6375,
132.7466, 148.3282

 13.6240, 6.8604,
8.0033


 13.6240, 6.8604,
8.0033


 13.6237, 6.8603,
8.0016

 14.0567, 7.3027,
9.4519

 14.6344, 7.9921,
11.0813

 15.4149, 9.0430,
12.9143

 16.4210, 10.4996,
14.9620

 17.6719, 12.3996,
17.2341

■ 19.1848, 14.7765,
19.7395

■ 20.9755, 17.6603,
22.4867

■ 23.0581, 21.0786,
25.4833

■ 25.4460, 25.0572,
28.7368

Harmonies

Analogous

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



12.3263, 6.8604, 19.1304



13.6240, 6.8604, 8.0033



12.6066, 6.8604, 2.2681

Triad

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



13.6240, 6.8604, 8.0033



4.2768, 6.8604, 0.2785



4.0432, 6.8604, 30.0919

Complementary

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



13.6240, 6.8604, 8.0033



11.6648, 21.6097, 9.1895

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.



2.7977, 6.8604, 17.4897



13.6240, 6.8604, 8.0033



2.9025, 6.8604, 1.8842

Square

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



13.6240, 6.8604, 8.0033



6.7043, 6.8604, 0.0000



2.4499, 6.8604, 6.9606



6.3403, 6.8604, 36.4433

Rectangle

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



13.6240, 6.8604, 8.0033



10.8803, 6.8604, 0.8290



2.4499, 6.8604, 6.9606



3.5157, 6.8604, 26.1418

Sweetspot

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



13.6242, 6.8608, 8.0034



36.8025, 30.8228, 39.3677



7.6336, 3.3181, 28.2550



8.1141, 6.5715, 8.5537



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.6242, 6.8608, 8.0034



23.9508, 12.0696, 13.6573



12.2535, 6.3125, 0.7856



5.9224, 5.8640, 6.6975



11.6507, 5.8653, 6.9077



0.1575, 0.0778, 0.1630

Inverse Universe

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



13.6242, 6.8608, 8.0034



23.9508, 12.0696, 13.6573



15.3681, 23.0910, 28.6908



5.9224, 5.8640, 6.6975



11.6507, 5.8653, 6.9077



0.1575, 0.0778, 0.1630

Previews

White Background



This preview shows how the XYZ color 13.6240, 6.8604, 8.0033 looks on a white background.

Color Contrast Check

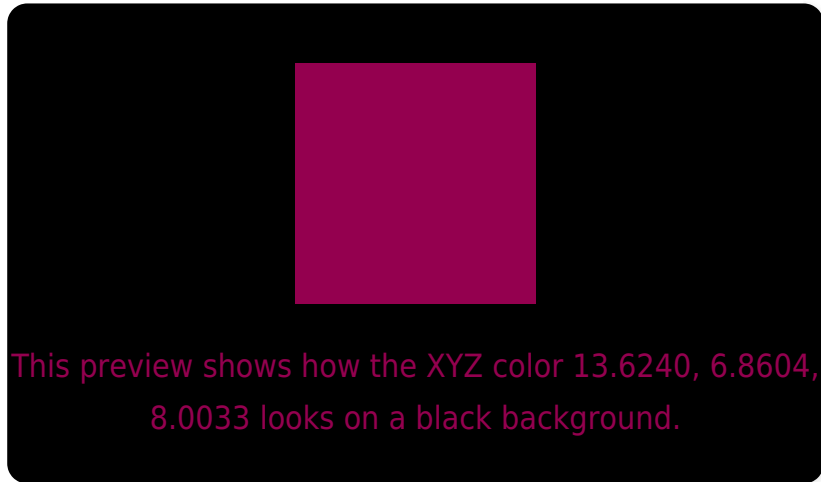
Large Text (above 18pt) WCAG AA ✓ Pass

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

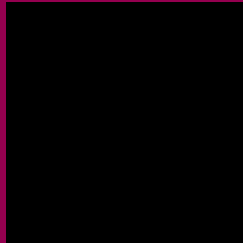
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6240, 6.8604, 8.0033

Background



This preview shows how black text looks on a background with the XYZ color 13.6240, 6.8604, 8.0033.



This preview shows how white text looks on a background with the XYZ color 13.6240, 6.8604,

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

13.6240, 6.8604, 8.0033

Protanopia

7.8017, 7.5076, 16.9575

Deuteranopia

7.5564, 7.4916, 7.3511



Tritanopia

12.6048, 7.1952, 2.0910

Trichromacy



Original Color

13.6240, 6.8604, 8.0033

Protanomaly

8.1252, 5.4864, 12.9426

Deuteranomaly

8.6336, 5.8731, 7.3352

Tritanomaly

12.8372, 6.9251, 3.5658

Monochromacy



Original Color

13.6240, 6.8604, 8.0033

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4660, 3.5666, 4.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6240, 6.8604, 8.0033 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(148, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 79)  
}
```

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(148, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 13.6240, 6.8604, 8.0033 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(148, 0, 79) }
```


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

```
.border{ border-color:rgb(148, 0, 79) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6240, 6.8604, 8.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 79) }
```

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

```
.background{ background-color: rgb(148, 0,  
79) }
```

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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