

Converting Colors

XYZ(13.3487, 6.6955, 9.0269)

Have a look what the booklet for
XYZ(13.3487, 6.6955, 9.0269)
contains.

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Color

**XYZ(13.2773, 6.6598,
8.9732)**

Conversions

Conversions Part 1

Format	Color
Hex	910054
RGB	145, 0, 84
RGB Percent	57%, 0%, 33%
CMY	0.4314, 0.9999, 0.6706
CMYK	0.00, 1.00, 0.42, 0.43
HSL	325°, 100%, 28%
HSV	325°, 100%, 57%
XYZ	13.2773, 6.6598, 8.9732
YIQ	52.9310, 59.4560, 56.8640

Conversions

Conversions Part 2

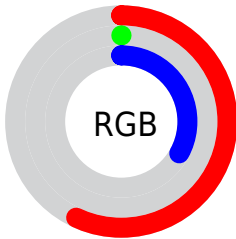
Format	Color
R_{YB}	145, 0, 84
Decimal	9502804
CIE Lab	31.02, 56.76, -5.97
CIE LCh	31, 57.076, 354.000
Yxy	6.6598, 0.4593, 0.2304
Android (android.graphics.Color)	4287692884 (0xFF910054)
YUV	52.9310, 15.3170, 80.7445
Hunter-Lab	25.8066, 46.6754, -2.5511

Details

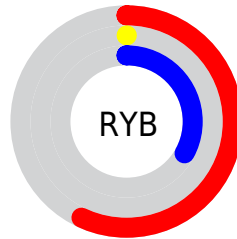
The XYZ color **13.2773, 6.6598, 8.9732** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.9683, 20.5880, 7.8128**, and the grayscale version is **3.3536, 3.5282, 3.8422**.

A 20% lighter version of the original color is **31.3110, 19.2875, 24.2629**, and **4.4860, 2.2703, 2.1212** is the 20% darker color. If you saturate the color by 10%, you get **13.2771, 6.6598, 8.9719**, and if you desaturate by 10%, it is **13.6909, 7.0878, 10.3419**.

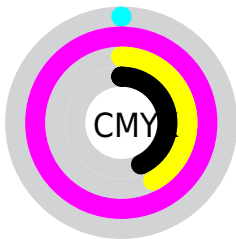
Distribution



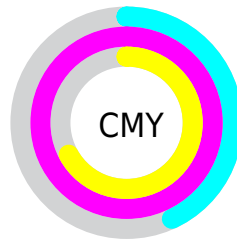
- Red (57%)
- Green (0%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (43%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2773, 6.6598, 8.9732 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 13.2773, 6.6598, 8.9732 by changing the saturation by 10% instead.

 13.2773, 6.6598,
8.9732


 13.2773, 6.6598,
8.9732


206.2892,
164.8062, 193.3885


 7.6981, 3.2503,
4.6271


 31.3982, 19.2855,
24.4223


 3.9525, 1.2637,
1.9753

 44.6705, 29.2704,
36.3624


 1.6753, 0.1129,
0.5400

 61.2380, 42.2159,
51.6709

 0.4407, 0.0000,
0.0000

 81.4659, 58.5064,
70.7663

 0.0000, 0.0000,
0.0000

 105.7196, 78.5263,
94.0673

 134.3645,

102.6600, 121.9923

167.7659,
131.2918, 154.9599

13.2773, 6.6598,
8.9732

13.2773, 6.6598,
8.9732

13.2771, 6.6598,
8.9719

13.6909, 7.0878,
10.3419

14.2374, 7.7475,
11.8601

14.9731, 8.7505,
13.5489

15.9192, 10.1387,
15.4180

17.0939, 11.9478,
17.4755

■ 18.5135, 14.2094,
19.7290

■ 20.1925, 16.9521,
22.1857

■ 22.1444, 20.2022,
24.8521

■ 24.3818, 23.9838,
27.7344

Harmonies

Analogous

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



11.7171, 6.6598, 20.4936



13.2773, 6.6598, 8.9732



12.5803, 6.6598, 2.6355

Triad

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



13.2773, 6.6598, 8.9732



4.3944, 6.6598, 0.0937



3.6781, 6.6598, 28.0401

Complementary

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



13.2773, 6.6598, 8.9732



10.9683, 20.5880, 7.8128

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.



2.5935, 6.6598, 15.4351



13.2773, 6.6598, 8.9732



2.9143, 6.6598, 1.4604

Square

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



13.2773, 6.6598, 8.9732



6.9056, 6.6598, 0.0000



2.3619, 6.6598, 5.7653



5.7872, 6.6598, 35.6385

Rectangle

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



13.2773, 6.6598, 8.9732



11.0089, 6.6598, 0.9672



2.3619, 6.6598, 5.7653



3.2096, 6.6598, 23.9425

Sweetspot

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



13.2775, 6.6602, 8.9733



35.9562, 30.0198, 39.4405



7.0003, 3.0186, 27.0018



7.7383, 6.2504, 8.3995



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.



13.2775, 6.6602, 8.9733



23.6888, 11.8913, 15.6017



11.7442, 6.0469, 0.8991



5.5316, 5.4732, 6.2973



11.4013, 5.7175, 7.7647



0.1200, 0.0591, 0.1323

Inverse Universe

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



13.2775, 6.6602, 8.9733



23.6888, 11.8913, 15.6017



14.3536, 21.9421, 25.6394



5.5316, 5.4732, 6.2973



11.4013, 5.7175, 7.7647



0.1200, 0.0591, 0.1323

Previews

White Background



This preview shows how the XYZ color 13.2773, 6.6598, 8.9732 looks on a white background.

Color Contrast Check

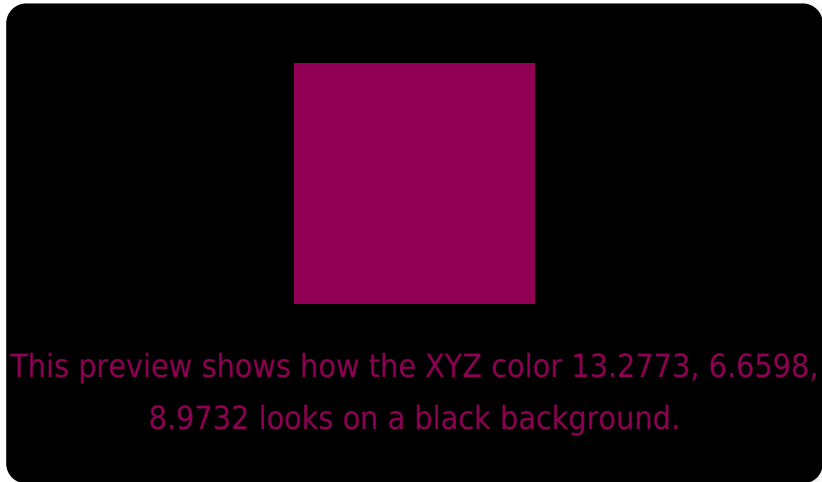
Large Text (above 18pt) WCAG AA ✓ Pass

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

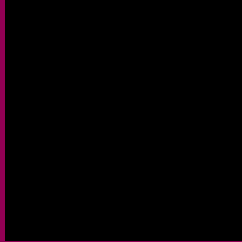
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2773, 6.6598, 8.9732

Background



This preview shows how black text looks on a background with the XYZ color 13.2773, 6.6598, 8.9732.



This preview shows how white text looks on a background with the XYZ color 13.2773, 6.6598,

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

13.2773, 6.6598, 8.9732

Protanopia

7.7709, 7.3424, 19.0968

Deuteranopia

7.3912, 7.2866, 8.2246



Tritanopia

11.9879, 6.9540, 2.2238

Trichromacy



Original Color

13.2773, 6.6598, 8.9732

Protanomaly

7.9802, 5.3703, 14.8033

Deuteranomaly

8.4083, 5.6764, 8.2419

Tritanomaly

12.2157, 6.6239, 3.8835

Monochromacy



Original Color

13.2773, 6.6598, 8.9732

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 13.2773, 6.6598, 8.9732 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.2773, 6.6598, 8.9732 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, 84) }
```


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

```
.border{ border-color:rgb(145, 0, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2773, 6.6598, 8.9732 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, 84) }
```

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

```
.background{ background-color: rgb(145, 0,  
84) }
```

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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