

Converting Colors

XYZ(16.5691, 8.2577, 13.5454)

Have a look what the booklet for
XYZ(16.5691, 8.2577, 13.5454)
contains.

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Color

**XYZ(16.5487, 8.2484,
13.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0067
RGB	158, 0, 103
RGB Percent	62%, 0%, 40%
CMY	0.3804, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.35, 0.38
HSL	321°, 100%, 31%
HSV	321°, 100%, 62%
XYZ	16.5487, 8.2484, 13.5518
YIQ	58.9840, 61.1050, 65.5290

Conversions

Conversions Part 2

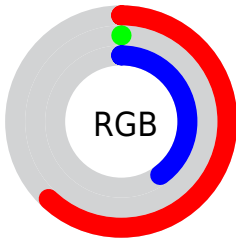
Format	Color
R_{YB}	158, 0, 103
Decimal	10354791
CIE _{Lab}	34.49, 61.55, -12.80
CIE _{LCh}	34, 62.863, 348.255
Yxy	8.2484, 0.4315, 0.2151
Android (android.graphics.Color)	4288544871 (0xFF9E0067)
YUV	58.9840, 21.6999, 86.8370
Hunter-Lab	28.7200, 52.5930, -7.8725

Details

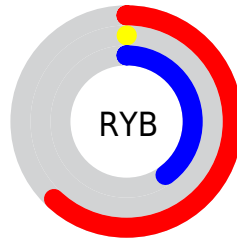
The XYZ color **16.5487, 8.2484, 13.5518** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.9173, 24.7299, 7.7099**, and the grayscale version is **4.1221, 4.3368, 4.7227**.

A 20% lighter version of the original color is **37.1724, 22.5336, 32.9621**, and **6.0806, 3.0522, 4.0100** is the 20% darker color. If you saturate the color by 10%, you get **16.5483, 8.2482, 13.5497**, and if you desaturate by 10%, it is **17.0167, 8.7279, 15.1153**.

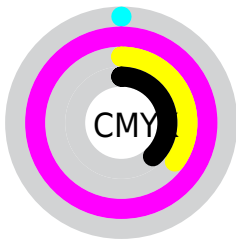
Distribution



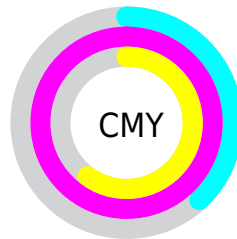
- Red (62%)
- Green (0%)
- Blue (40%)



- Red (62%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5487, 8.2484, 13.5518 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 16.5487, 8.2484, 13.5518 by changing the saturation by 10% instead.

■ 16.5487, 8.2484,
13.5518

■ 16.5487, 8.2484,
13.5518

225.7654,
177.6676, 225.7551

■ 10.0066, 4.2543,
7.6744

■ 37.0980, 22.4440,
32.9972

■ 5.4656, 1.8168,
3.8026

■ 51.8358, 33.4143,
47.4024

■ 2.5605, 0.4976,
1.5177

■ 70.0363, 47.4787,
65.4871

■ 0.9259, 0.0000,
0.2310

■ 92.0648, 65.0218,
87.6702

■ 0.0000, 0.0000,
0.0000

■ 118.2865, 86.4278,
114.3699

■ 149.0670,

112.0811, 146.0050

184.7715,
142.3663, 182.9938

16.5487, 8.2484,
13.5518

16.5487, 8.2484,
13.5518

16.5483, 8.2482,
13.5497

17.0167, 8.7279,
15.1153

17.6443, 9.4969,
16.8232

18.4941, 10.6801,
18.6981

19.5923, 12.3296,
20.7503

20.9614, 14.4897,
22.9889

■ 22.6211, 17.1994,
25.4219

■ 24.5894, 20.4941,
28.0568

■ 26.8826, 24.4061,
30.9004

■ 29.5159, 28.9653,
33.9592

Harmonies

Analogous

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



14.0790, 8.2484, 29.1599



16.5487, 8.2484, 13.5518



16.2223, 8.2484, 4.1614

Triad

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



16.5487, 8.2484, 13.5518



5.8987, 8.2484, 0.0000



4.1310, 8.2484, 32.7212

Complementary

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



16.5487, 8.2484, 13.5518



12.9173, 24.7299, 7.7099

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.



2.9964, 8.2484, 16.5577



16.5487, 8.2484, 13.5518



3.7852, 8.2484, 1.2573

Square

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



16.5487, 8.2484, 13.5518



9.3055, 8.2484, 0.0000



2.8925, 8.2484, 5.5745



6.5368, 8.2484, 44.6674

Rectangle

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



16.5487, 8.2484, 13.5518



14.4755, 8.2484, 1.5182



2.8925, 8.2484, 5.5745



3.6239, 8.2484, 27.2148

Sweetspot

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



16.5490, 8.2489, 13.5519



44.4232, 36.8267, 50.6530



7.6233, 3.2174, 32.5669



9.6825, 7.7430, 10.9830



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.5490, 8.2489, 13.5519



29.9544, 14.9398, 24.0936



14.2912, 7.3458, 1.6627



6.8060, 6.7153, 7.8294



13.2726, 6.6136, 10.9524



0.2566, 0.1260, 0.2972

Inverse Universe

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



16.5490, 8.2489, 13.5519



29.9544, 14.9398, 24.0936



16.3695, 26.1107, 25.8889



6.8060, 6.7153, 7.8294



13.2726, 6.6136, 10.9524



0.2566, 0.1260, 0.2972

Previews

White Background



This preview shows how the XYZ color 16.5487, 8.2484, 13.5518 looks on a white background.

Color Contrast Check

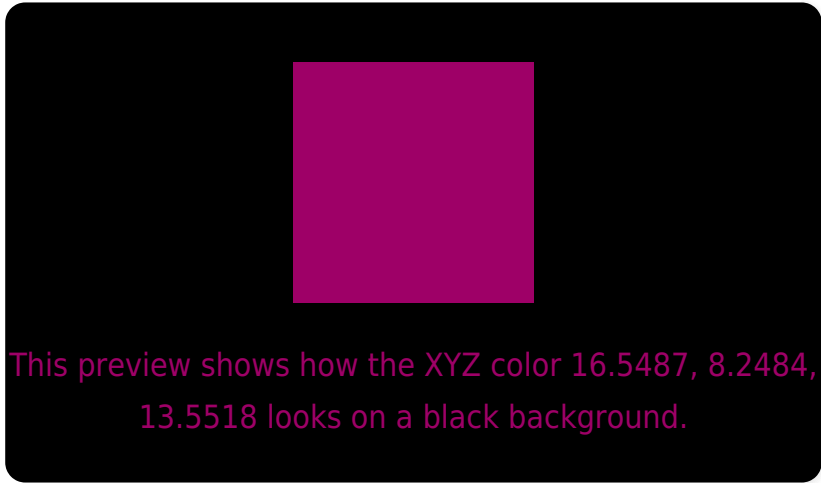
Large Text (above 18pt) WCAG AA ✓ Pass

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

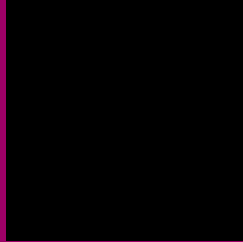
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5487, 8.2484, 13.5518

Background



This preview shows how black text looks on a background with the XYZ color 16.5487, 8.2484, 13.5518.



This preview shows how white text looks on a background with the XYZ color 16.5487, 8.2484,

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

16.5487, 8.2484, 13.5518

Protanopia

9.8593, 8.9534, 28.8123

Deuteranopia

9.0591, 8.9054, 12.3078



Tritanopia

14.5373, 8.6231, 3.0887

Trichromacy



Original Color

16.5487, 8.2484, 13.5518

Protanomaly

9.7384, 6.3700, 22.1890

Deuteranomaly

10.2902, 6.8675, 12.5876

Tritanomaly

14.8124, 8.0775, 5.6289

Monochromacy



Original Color

16.5487, 8.2484, 13.5518

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6824, 4.3271, 7.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5487, 8.2484, 13.5518 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(158, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 103)  
}
```

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(158, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.5487, 8.2484, 13.5518 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(158, 0, 103) }
```


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

```
.border{ border-color:rgb(158, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5487, 8.2484, 13.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 103) }
```

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

```
.background{ background-color: rgb(158, 0,  
103) }
```

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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