

Converting Colors

XYZ(16.9984, 8.5489, 10.4673)

Have a look what the booklet for
XYZ(16.9984, 8.5489, 10.4673)
contains.

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Color

**XYZ(16.9497, 8.5247,
10.4249)**

Conversions

Conversions Part 1

Format	Color
Hex	A3005A
RGB	163, 0, 90
RGB Percent	64%, 0%, 35%
CMY	0.3608, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.45, 0.36
HSL	327°, 100%, 32%
HSV	327°, 100%, 64%
XYZ	16.9497, 8.5247, 10.4249
YIQ	58.9970, 68.2580, 62.5460

Conversions

Conversions Part 2

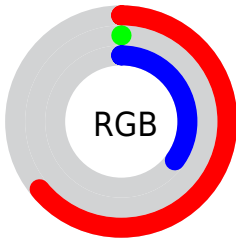
Format	Color
R_{YB}	163, 0, 90
Decimal	10682458
CIE _{Lab}	35.05, 61.38, -3.47
CIE _{LCh}	35, 61.479, 356.761
Yxy	8.5247, 0.4721, 0.2375
Android (android.graphics.Color)	4288872538 (0xFFA3005A)
YUV	58.9970, 15.2845, 91.2106
Hunter-Lab	29.1971, 52.5292, -0.7317

Details

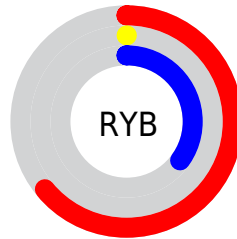
The XYZ color **16.9497, 8.5247, 10.4249** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.3008, 26.6758, 10.7025**, and the grayscale version is **4.1316, 4.3468, 4.7336**.

A 20% lighter version of the original color is **37.8894, 23.0302, 27.2592**, and **6.2994, 3.1927, 2.7669** is the 20% darker color. If you saturate the color by 10%, you get **16.9492, 8.5245, 10.4226**, and if you desaturate by 10%, it is **17.4661, 9.0354, 12.2064**.

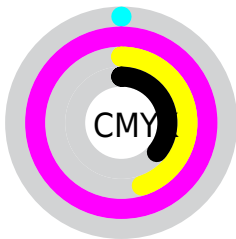
Distribution



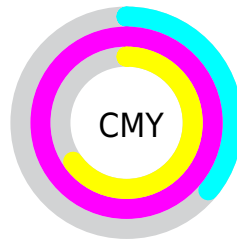
- Red (64%)
- Green (0%)
- Blue (35%)



- Red (64%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9497, 8.5247, 10.4249 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 16.9497, 8.5247, 10.4249 by changing the saturation by 10% instead.


 16.9497, 8.5247,
10.4249


 16.9497, 8.5247,
10.4249


228.0442,
179.7915, 204.2721


 10.2937, 4.4325,
5.5723


 37.7836, 22.9808,
27.2119


 5.6579, 1.9183,
2.5223

 52.6921, 34.1135,
39.9834


 2.6769, 0.5594,
0.8519

 71.0823, 48.3618,
56.2316

 0.9853, 0.0000,
0.0000

 93.3194, 66.1102,
76.3750

 0.0000, 0.0000,
0.0000

 119.7688, 87.7429,
100.8322

 150.7958,

113.6444, 130.0218

186.7659,
144.1992, 164.3622

16.9497, 8.5247,
10.4249

16.9497, 8.5247,
10.4249

16.9492, 8.5245,
10.4226

17.4661, 9.0354,
12.2064

18.1671, 9.8652,
14.2043

19.1186, 11.1444,
16.4444

20.3494, 12.9296,
18.9402

21.8842, 15.2688,
21.7037

■ 23.7449, 18.2046,
24.7458

■ 25.9511, 21.7752,
28.0764

■ 28.5209, 26.0156,
31.7050

■ 31.4711, 30.9583,
35.6404

Harmonies

Analogous

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



15.2130, 8.5247, 24.5449



16.9497, 8.5247, 10.4249



15.8045, 8.5247, 2.9901

Triad

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



16.9497, 8.5247, 10.4249



5.4132, 8.5247, 0.3874



4.9210, 8.5247, 36.9020

Complementary

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



16.9497, 8.5247, 10.4249



14.3008, 26.6758, 10.7025

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.



3.4257, 8.5247, 21.0819



16.9497, 8.5247, 10.4249



3.6464, 8.5247, 2.1818

Square

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



16.9497, 8.5247, 10.4249



8.4923, 8.5247, 0.0000



3.0377, 8.5247, 8.2257



7.7248, 8.5247, 45.3881

Rectangle

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



16.9497, 8.5247, 10.4249



13.7018, 8.5247, 1.0999



3.0377, 8.5247, 8.2257



4.2839, 8.5247, 31.8825

Sweetspot

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



16.9499, 8.5252, 10.4250



46.2339, 38.6012, 49.9282



9.1838, 3.9711, 34.9327



10.0139, 8.0677, 10.6644



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.9499, 8.5252, 10.4250



30.2526, 15.2259, 18.1274



15.1642, 7.8109, 1.0216



7.2297, 7.1483, 8.1961



13.1959, 6.6344, 8.2221



0.3006, 0.1488, 0.2959

Inverse Universe

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



16.9499, 8.5252, 10.4250



30.2526, 15.2259, 18.1274



18.7760, 28.4659, 34.2685



7.2297, 7.1483, 8.1961



13.1959, 6.6344, 8.2221



0.3006, 0.1488, 0.2959

Previews

White Background



This preview shows how the XYZ color 16.9497, 8.5247, 10.4249 looks on a white background.

Color Contrast Check

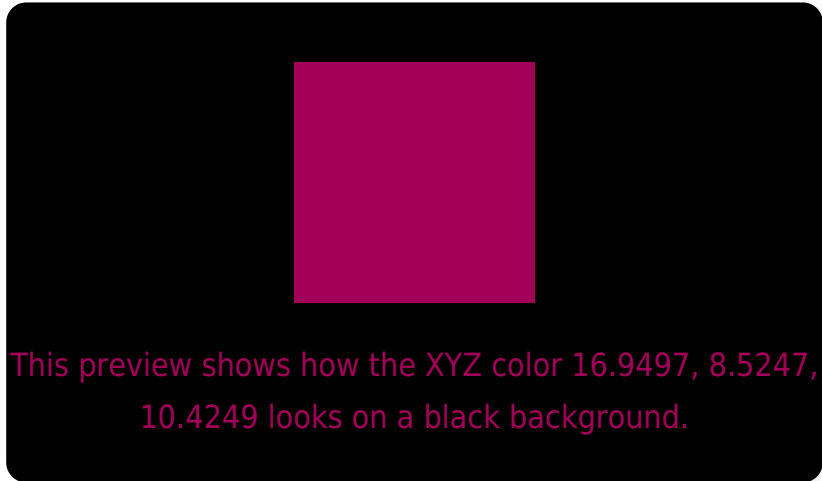
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9497, 8.5247, 10.4249

Background



This preview shows how black text looks on a background with the XYZ color 16.9497, 8.5247, 10.4249.



This preview shows how white text looks on a background with the XYZ color 16.9497, 8.5247,

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

16.9497, 8.5247, 10.4249

Protanopia

9.7254, 9.2544, 22.3928

Deuteranopia

9.2707, 9.1907, 9.4690



Tritanopia

15.4465, 8.8627, 2.5656

Trichromacy



Original Color

16.9497, 8.5247, 10.4249

Protanomaly

10.0765, 6.7271, 16.9870

Deuteranomaly

10.5606, 7.1400, 9.6257

Tritanomaly

15.7181, 8.4754, 4.5489

Monochromacy



Original Color

16.9497, 8.5247, 10.4249

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.7284, 4.3698, 6.2832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9497, 8.5247, 10.4249 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(163, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 90)  
}
```

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(163, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.9497, 8.5247, 10.4249 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(163, 0, 90) }
```


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

```
.border{ border-color:rgb(163, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9497, 8.5247, 10.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 90) }
```

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

```
.background{ background-color: rgb(163, 0,  
90) }
```

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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