

Converting Colors

XYZ(16.3486, 8.5625, 7.3942)

Have a look what the booklet for
XYZ(16.3486, 8.5625, 7.3942)
contains.

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Color

**XYZ(16.3556, 8.5600,
7.4468)**

Conversions

Conversions Part 1

Format	Color
Hex	A2104B
RGB	162, 16, 75
RGB Percent	64%, 6%, 29%
CMY	0.3647, 0.9372, 0.7059
CMYK	0.00, 0.90, 0.54, 0.36
HSL	336°, 82%, 35%
HSV	336°, 90%, 64%
XYZ	16.3556, 8.5600, 7.4468
YIQ	66.3800, 68.0770, 49.3010

Conversions

Conversions Part 2

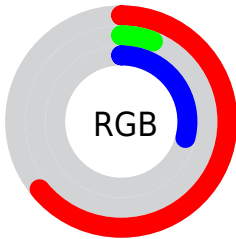
Format	Color
R_{YB}	162, 16, 75
Decimal	10621003
CIE Lab	35.12, 57.75, 6.35
CIE LCh	35, 58.098, 6.278
Yxy	8.5600, 0.5054, 0.2645
Android (android.graphics.Color)	4288811083 (0xFFA2104B)
YUV	66.3800, 4.2497, 83.8587
Hunter-Lab	29.2575, 48.5850, 5.3894

Details

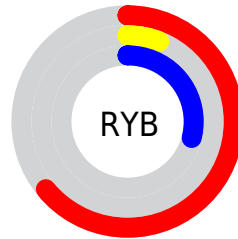
The XYZ color **16.3556, 8.5600, 7.4468** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.5834, 26.9306, 17.2137**, and the grayscale version is **5.2253, 5.4974, 5.9867**.

A 20% lighter version of the original color is **36.7166, 22.9942, 21.2420**, and **5.9696, 3.0473, 1.6401** is the 20% darker color. If you saturate the color by 10%, you get **15.8676, 8.0683, 5.7912**, and if you desaturate by 10%, it is **17.0487, 9.3766, 9.4339**.

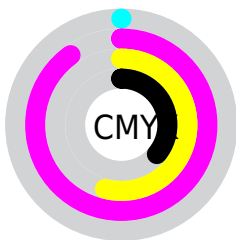
Distribution



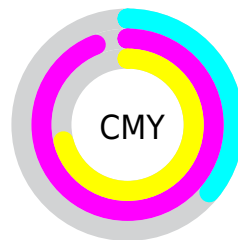
- Red (64%)
- Green (6%)
- Blue (29%)



- Red (64%)
- Yellow (6%)
- Blue (29%)



- Cyan (0%)
- Magenta (90%)
- Yellow (54%)
- Black (36%)





- Cyan (36%)
- Magenta (94%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3556, 8.5600, 7.4468 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 16.3556, 8.5600, 7.4468 by changing the saturation by 10% instead.


 16.3556, 8.5600,
7.4468


 16.3556, 8.5600,
7.4468

224.6604,
180.0607, 181.0957


 9.8686, 4.4553,
3.6604


 36.7669, 23.0492,
21.3946


 5.3735, 1.9314,
1.4410

 51.4219, 34.2025,
32.3930


 2.5050, 0.5671,
0.1734

 69.5303, 48.4741,
46.6326

 0.8978, 0.0000,
0.0000

 91.4575, 66.2484,
64.5317

 0.0000, 0.0000,
0.0000

 117.5687, 87.9098,
86.5091

 148.2293,

113.8427, 112.9832

183.8048,
144.4316, 144.3725

■ 16.3556, 8.5600,
7.4468

■ 16.3556, 8.5600,
7.4468

■ 15.8676, 8.0683,
5.7912

■ 17.0487, 9.3766,
9.4339

■ 18.0087, 10.6434,
11.7678

■ 19.2656, 12.4171,
14.4685

■ 20.8448, 14.7456,
17.5536

■ 22.7690, 17.6712,
21.0396

■ 25.0585, 21.2320,
24.9417

■ 27.7322, 25.4630,
29.2744

■ 30.8075, 30.3966,
34.0512

■ 34.3007, 36.0631,
39.2852

Harmonies

Analogous

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



15.5641, 8.5600, 18.8748



16.3556, 8.5600, 7.4468



14.5047, 8.5600, 2.1154

Triad

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



16.3556, 8.5600, 7.4468



4.8914, 8.5600, 0.9592



5.8120, 8.5600, 38.4234

Complementary

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



16.3556, 8.5600, 7.4468



15.5834, 26.9306, 17.2137

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.



3.9727, 8.5600, 25.0317



16.3556, 8.5600, 7.4468



3.5521, 8.5600, 3.6982

Square

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



16.3556, 8.5600, 7.4468



7.4524, 8.5600, 0.1962



3.2693, 8.5600, 11.4845



8.8602, 8.5600, 42.2643

Rectangle

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



16.3556, 8.5600, 7.4468



12.2571, 8.5600, 0.8553



3.2693, 8.5600, 11.4845



5.0608, 8.5600, 34.5892

Sweetspot

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



16.3558, 8.5605, 7.4469



46.6847, 40.4212, 47.2471



12.0935, 5.7566, 34.6560



10.1537, 8.5573, 10.0639



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.



16.3558, 8.5605, 7.4469



28.7108, 14.6092, 10.0083



15.4135, 8.5581, 1.3305



7.1868, 7.1312, 7.9702



12.5212, 6.3645, 4.6691



0.2862, 0.1430, 0.2196

Inverse Universe

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



16.3558, 8.5605, 7.4469



28.7108, 14.6092, 10.0083



17.6156, 24.4789, 37.9788



7.1868, 7.1312, 7.9702



12.5212, 6.3645, 4.6691



0.2862, 0.1430, 0.2196

Previews

White Background



This preview shows how the XYZ color 16.3556, 8.5600, 7.4468 looks on a white background.

Color Contrast Check

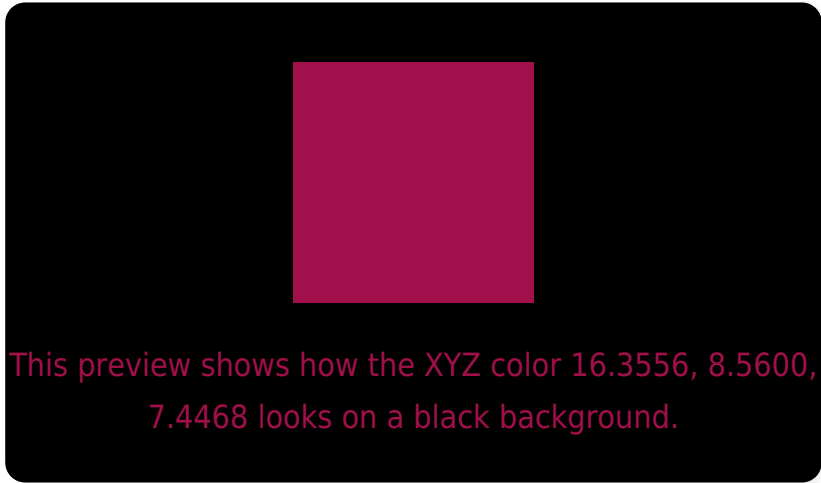
Large Text (above 18pt) WCAG AA ✓ Pass

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

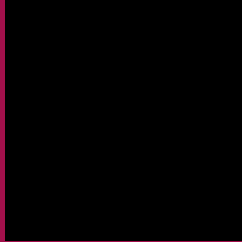
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3556, 8.5600, 7.4468

Background



This preview shows how black text looks on a background with the XYZ color 16.3556, 8.5600, 7.4468.



This preview shows how white text looks on a background with the XYZ color 16.3556, 8.5600,

7.4468.

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

16.3556, 8.5600, 7.4468

Protanopia

9.0486, 9.0644, 15.1826

Deuteranopia

9.0228, 8.8989, 6.7109



Tritanopia

15.3156, 8.6711, 2.3053

Trichromacy



Original Color

16.3556, 8.5600, 7.4468

Protanomaly

9.9362, 7.2054, 11.6936

Deuteranomaly

10.4856, 7.4461, 6.8458

Tritanomaly

15.6234, 8.5743, 3.6279

Monochromacy



Original Color

16.3556, 8.5600, 7.4468

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.4980, 5.3103, 6.2600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3556, 8.5600, 7.4468 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(162, 16, 75)` looks like.

```
.text, #text, p{  
    color:rgb(162, 16, 75)  
}
```

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(162, 16, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 16, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.3556, 8.5600, 7.4468 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(162, 16, 75) }
```


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

```
.border{ border-color:rgb(162, 16, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 16, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 16, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 16, 75);  
box-shadow:4px 4px 4px 4px rgb(162, 16,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3556, 8.5600, 7.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 16, 75) }
```

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

```
.background{ background-color: rgb(162, 16,  
75) }
```

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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