

Converting Colors

XYZ(15.4352, 7.4871, 6.6118)

Have a look what the booklet for
XYZ(15.4352, 7.4871, 6.6118)
contains.

XYZ(15.6345, 7.9285, 6.6676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.6345, 7.9285,
6.6676)**

Conversions

Conversions Part 1

Format	Color
Hex	A00047
RGB	160, 0, 71
RGB Percent	63%, 0%, 28%
CMY	0.3726, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.56, 0.37
HSL	333°, 100%, 31%
HSV	333°, 100%, 63%
XYZ	15.6345, 7.9285, 6.6676
YIQ	55.9340, 72.5690, 56.0010

Conversions

Conversions Part 2

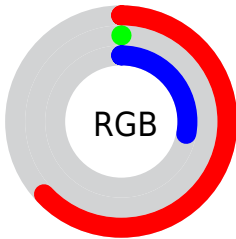
Format	Color
R_{YB}	160, 0, 71
Decimal	10485831
CIE Lab	33.83, 59.16, 7.09
CIE LCh	34, 59.582, 6.833
Yxy	7.9285, 0.5172, 0.2623
Android (android.graphics.Color)	4288675911 (0xFFA00047)
YUV	55.9340, 7.4275, 91.2659
Hunter-Lab	28.1576, 49.8363, 5.6707

Details

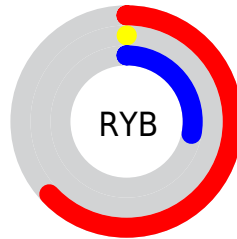
The XYZ color **15.6345, 7.9285, 6.6676** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.3751, 25.8632, 13.6906**, and the grayscale version is **3.7362, 3.9308, 4.2806**.

A 20% lighter version of the original color is **35.4989, 21.8553, 19.8003**, and **5.5764, 2.8505, 1.3549** is the 20% darker color. If you saturate the color by 10%, you get **15.6340, 7.9283, 6.6654**, and if you desaturate by 10%, it is **16.1271, 8.4225, 8.3461**.

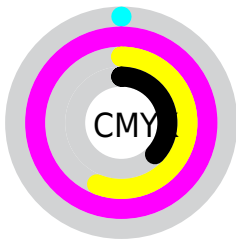
Distribution



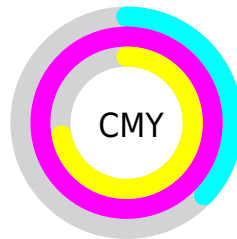
- Red (63%)
- Green (0%)
- Blue (28%)



- Red (63%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (37%)




- Cyan (37%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6345, 7.9285, 6.6676 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 15.6345, 7.9285, 6.6676 by changing the saturation by 10% instead.


 15.6345, 7.9285,
6.6676


 15.6345, 7.9285,
6.6676


220.4883,
175.1701, 174.3972


 9.3551, 4.0492,
3.1798


 35.5251, 21.8182,
19.8027


 5.0325, 1.7011,
1.1872

 49.8670, 32.5973,
30.2871


 2.3013, 0.4244,
0.0000

 67.6271, 46.4453,
43.9407

 0.7953, 0.0000,
0.0000


 89.1708, 63.7464,
61.1822

 0.0000, 0.0000,
0.0000

 114.8634, 84.8850,
82.4301


 145.0703,


110.2456, 108.1028

 180.1568,
140.2125, 138.6190


 15.6345, 7.9285,
6.6676


 15.6345, 7.9285,
6.6676


 15.6340, 7.9283,
6.6654

 16.1271, 8.4225,
8.3461

 16.8091, 9.2258,
10.3027

 17.7457, 10.4656,
12.5669

 18.9649, 12.1962,
15.1558

 20.4912, 14.4638,
18.0847

■ 22.3460, 17.3091,
21.3675

■ 24.5489, 20.7690,
25.0173

■ 27.1176, 24.8773,
29.0465

■ 30.0688, 29.6651,
33.4668

Harmonies

Analogous

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



14.8963, 7.9285, 17.8014



15.6345, 7.9285, 6.6676



13.7518, 7.9285, 1.7220

Triad

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



15.6345, 7.9285, 6.6676



4.3670, 7.9285, 0.7442



5.3281, 7.9285, 37.9077

Complementary

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



15.6345, 7.9285, 6.6676



14.3751, 25.8632, 13.6906

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.



3.5485, 7.9285, 24.4951



15.6345, 7.9285, 6.6676



3.1158, 7.9285, 3.3195

Square

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



15.6345, 7.9285, 6.6676



6.8141, 7.9285, 0.0000



2.8668, 7.9285, 10.9505



8.3067, 7.9285, 41.5607

Rectangle

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



15.6345, 7.9285, 6.6676



11.5135, 7.9285, 0.5914



2.8668, 7.9285, 10.9505



4.5993, 7.9285, 34.0815

Sweetspot

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



15.6347, 7.9290, 6.6677



44.3185, 37.3058, 45.0124



10.3709, 4.6138, 33.6014



9.3599, 7.6139, 9.2841



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.



15.6347, 7.9290, 6.6677



28.2885, 14.3562, 11.5831



14.5843, 7.6477, 0.7082



6.7492, 6.6926, 7.5305



12.2003, 6.1847, 5.3057



0.2391, 0.1190, 0.2053

Inverse Universe

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



15.6347, 7.9290, 6.6677



28.2885, 14.3562, 11.5831



17.5738, 24.9949, 37.1557



6.7492, 6.6926, 7.5305



12.2003, 6.1847, 5.3057



0.2391, 0.1190, 0.2053

Previews

White Background



This preview shows how the XYZ color 15.6345, 7.9285, 6.6676 looks on a white background.

Color Contrast Check

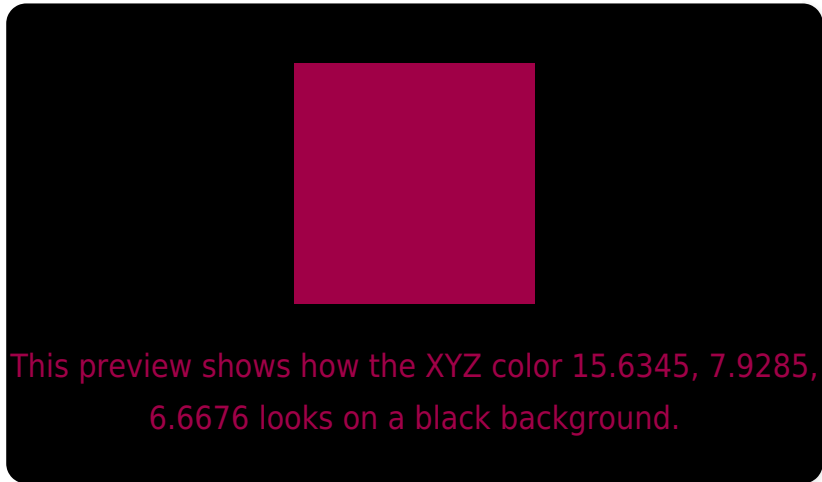
Large Text (above 18pt) WCAG AA ✓ Pass

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

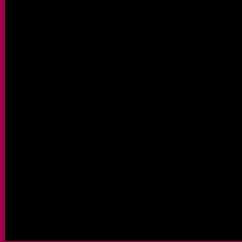
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6345, 7.9285, 6.6676

Background



This preview shows how black text looks on a background with the XYZ color 15.6345, 7.9285, 6.6676.



This preview shows how white text looks on a background with the XYZ color 15.6345, 7.9285,

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

15.6345, 7.9285, 6.6676

Protanopia

8.6074, 8.6336, 14.0448

Deuteranopia

8.6512, 8.5035, 6.0359



Tritanopia

14.7254, 8.1834, 1.9021

Trichromacy



Original Color

15.6345, 7.9285, 6.6676

Protanomaly

9.3007, 6.3995, 10.6425

Deuteranomaly

9.8995, 6.6795, 6.0777

Tritanomaly

14.9690, 7.9854, 3.1353

Monochromacy



Original Color

15.6345, 7.9285, 6.6676

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.0893, 3.9784, 4.8618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6345, 7.9285, 6.6676 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(160, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 71)  
}
```

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(160, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.6345, 7.9285, 6.6676 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(160, 0, 71) }
```


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

```
.border{ border-color:rgb(160, 0, 71) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(160, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6345, 7.9285, 6.6676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 71) }
```

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

```
.background{ background-color: rgb(160, 0,  
71) }
```

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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