

Converting Colors

XYZ(9.7816, 5.1326, 15.8478)

Have a look what the booklet for
XYZ(9.7816, 5.1326, 15.8478)
contains.

XYZ(9.7671, 5.1232, 15.8033)	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(9.7671, 5.1232,
15.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	6F1670
RGB	111, 22, 112
RGB Percent	44%, 9%, 44%
CMY	0.5647, 0.9137, 0.5608
CMYK	0.01, 0.80, 0.00, 0.56
HSL	299°, 67%, 26%
HSV	299°, 80%, 44%
XYZ	9.7671, 5.1232, 15.8033
YIQ	58.8710, 24.1540, 46.8580

Conversions

Conversions Part 2

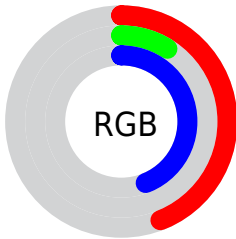
Format	Color
R_{YB}	111, 22, 112
Decimal	7280240
CIE _{Lab}	27.08, 48.49, -30.82
CIE _{LCh}	27, 57.461, 327.558
Yxy	5.1232, 0.3182, 0.1669
Android (android.graphics.Color)	4285470320 (0xFF6F1670)
YUV	58.8710, 26.1926, 45.7171
Hunter-Lab	22.6345, 37.4149, -25.5519

Details

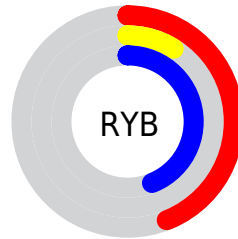
The XYZ color **9.7671, 5.1232, 15.8033** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.2925, 11.8285, 2.7108**, and the grayscale version is **4.1030, 4.3167, 4.7009**.

A 20% lighter version of the original color is **24.8718, 15.9874, 36.8970**, and **2.7008, 1.2887, 4.8090** is the 20% darker color. If you saturate the color by 10%, you get **9.5821, 4.7763, 15.7462**, and if you desaturate by 10%, it is **10.0455, 5.6566, 15.8917**.

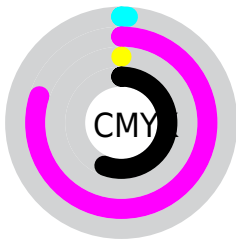
Distribution



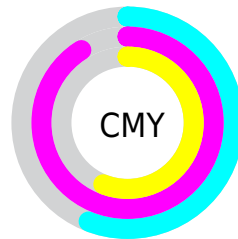
- Red (44%)
- Green (9%)
- Blue (44%)



- Red (44%)
- Yellow (9%)
- Blue (44%)



- Cyan (1%)
- Magenta (80%)
- Yellow (0%)
- Black (56%)



- Cyan (56%)
- Magenta (91%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7671, 5.1232, 15.8033 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 9.7671, 5.1232, 15.8033 by changing the saturation by 10% instead.

9.7671, 5.1232,
15.8033

9.7671, 5.1232,
15.8033

183.0902,
151.0056, 239.9842

5.3059, 2.3197,
9.2322

25.0102, 16.0828,
37.0184

2.4644, 0.7841,
4.7941

36.5228, 25.0077,
52.4995

0.8774, 0.0000,
2.0703

51.1165, 36.7419,
71.7877

0.0000, 0.0000,
0.5980

69.1568, 51.6697,
95.3016

0.0000, 0.0000,
0.0000

91.0089, 70.1756,
123.4596

117.0383, 92.6439,

156.6804

147.6103,
119.4591, 195.3824

9.7671, 5.1232,
15.8033

9.7671, 5.1232,
15.8033

9.5821, 4.7763,
15.7462

10.0455, 5.6566,
15.8917

9.4496, 4.5336,
15.7063

10.4275, 6.3973,
16.0145

10.9225, 7.3639,
16.1750

11.5387, 8.5730,
16.3759

12.2836, 10.0394,
16.6197

■ 13.1641, 11.7770,
16.9086

■ 14.1865, 13.7984,
17.2449

■ 15.3569, 16.1157,
17.6305

■ 16.6808, 18.7401,
18.0673

Harmonies

Analogous

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



7.2744, 5.1232, 26.7251



9.7671, 5.1232, 15.8033



10.9256, 5.1232, 6.1482

Triad

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



9.7671, 5.1232, 15.8033



5.0646, 5.1232, 0.0000



1.8609, 5.1232, 13.9667

Complementary

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



9.7671, 5.1232, 15.8033



6.2925, 11.8285, 2.7108

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.



1.6056, 5.1232, 5.0447



9.7671, 5.1232, 15.8033



3.0633, 5.1232, 0.0000

Square

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



9.7671, 5.1232, 15.8033



7.7191, 5.1232, 0.0000



1.9641, 5.1232, 1.1169



2.8248, 5.1232, 25.1880

Rectangle

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



9.7671, 5.1232, 15.8033



10.5755, 5.1232, 2.5134



1.9641, 5.1232, 1.1169



1.7062, 5.1232, 10.4659

Sweetspot

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



9.7673, 5.1234, 15.8034



22.4347, 19.3242, 29.4773



3.5721, 1.9735, 15.5219



5.2869, 4.4394, 7.0480



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.7673, 5.1234, 15.8034



16.6678, 8.0927, 27.6133



8.0279, 4.4423, 5.9839



3.5109, 3.4517, 4.2354



10.9230, 5.2404, 18.1574



54.3606, 26.0783, 90.4476

Inverse Universe

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



7.1238, 4.0806, 1.2230



11.8423, 6.1939, 0.7828



7.0939, 12.1465, 7.0483



3.3859, 3.4021, 3.5587



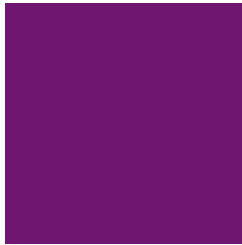
7.7322, 3.9853, 0.3999



38.4964, 19.8439, 1.8801

Previews

White Background



This preview shows how the XYZ color 9.7671, 5.1232, 15.8033 looks on a white background.

Color Contrast Check

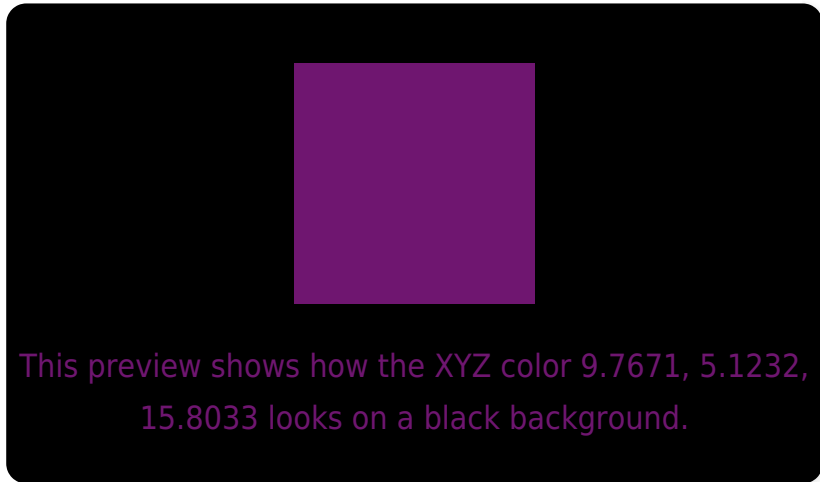
Large Text (above 18pt) WCAG AA ✓ Pass

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

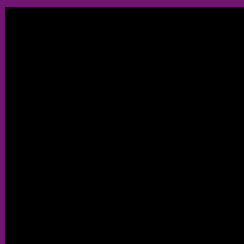
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.7671, 5.1232, 15.8033

Background



This preview shows how black text looks on a background with the XYZ color 9.7671, 5.1232, 15.8033.



This preview shows how white text looks on a background with the XYZ color 9.7671, 5.1232,

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

9.7671, 5.1232, 15.8033

Protanopia

6.0806, 5.2762, 23.2522

Deuteranopia

5.5046, 5.4293, 14.3935



Tritanopia

7.3230, 5.2151, 3.7526

Trichromacy



Original Color

9.7671, 5.1232, 15.8033

Protanomaly

5.6979, 4.0714, 20.2242

Deuteranomaly

6.1621, 4.5572, 14.7422

Tritanomaly

7.9591, 4.9931, 6.8476

Monochromacy



Original Color

9.7671, 5.1232, 15.8033

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.4940, 4.1237, 7.7141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7671, 5.1232, 15.8033 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(111, 22, 112)` looks like.

```
.text, #text, p{  
    color:rgb(111, 22, 112)  
}
```

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(111, 22, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 22, 112) }
```

Border

The CSS property to change the border of an element to XYZ 9.7671, 5.1232, 15.8033 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(111, 22, 112) }
```


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

```
.border{ border-color:rgb(111, 22, 112) }
```

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

Here you see how a box with a 4 pixel rgb(111, 22, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 22, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 22, 112);  
box-shadow:4px 4px 4px 4px rgb(111, 22,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7671, 5.1232, 15.8033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 22, 112) }
```

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

```
.background{ background-color: rgb(111, 22,  
112) }
```

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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