

Converting Colors

XYZ(14.8681, 7.0770, 5.0867)

Have a look what the booklet for
XYZ(14.8681, 7.0770, 5.0867)
contains.

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Color

**XYZ(15.1676, 7.7187,
5.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	9F003E
RGB	159, 0, 62
RGB Percent	62%, 0%, 24%
CMY	0.3765, 0.9999, 0.7569
CMYK	0.00, 1.00, 0.61, 0.38
HSL	337°, 100%, 31%
HSV	337°, 100%, 62%
XYZ	15.1676, 7.7187, 5.2479
YIQ	54.6090, 74.8620, 52.9900

Conversions

Conversions Part 2

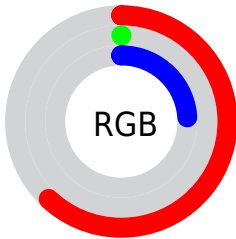
Format	Color
R_{YB}	159, 0, 62
Decimal	10420286
CIE _{Lab}	33.39, 58.32, 12.37
CIE _{LCh}	33, 59.614, 11.977
Yxy	7.7187, 0.5391, 0.2744
Android (android.graphics.Color)	4288610366 (0xFF9F003E)
YUV	54.6090, 3.6438, 91.5509
Hunter-Lab	27.7825, 48.8308, 8.2484

Details

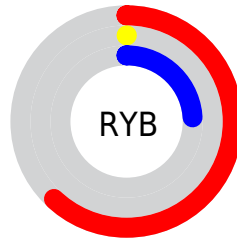
The XYZ color **15.1676, 7.7187, 5.2479** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.5570, 25.6598, 15.4999**, and the grayscale version is **3.5726, 3.7586, 4.0931**.

A 20% lighter version of the original color is **34.8600, 21.4887, 16.7784**, and **5.3909, 2.7635, 0.9587** is the 20% darker color. If you saturate the color by 10%, you get **15.1672, 7.7186, 5.2461**, and if you desaturate by 10%, it is **15.6422, 8.2032, 6.8389**.

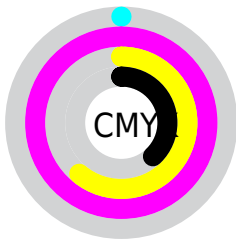
Distribution



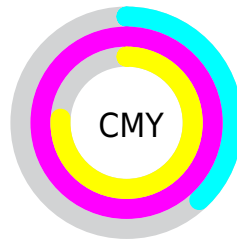
- Red (62%)
- Green (0%)
- Blue (24%)



- Red (62%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (38%)





- Cyan (38%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1676, 7.7187, 5.2479 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 15.1676, 7.7187, 5.2479 by changing the saturation by 10% instead.


 15.1676, 7.7187,
5.2479


 15.1676, 7.7187,
5.2479


217.7467,
173.5087, 161.2234


 9.0242, 3.9155,
2.3322


 34.7162, 21.4051,
16.7985


 4.8142, 1.6264,
0.7492

 48.8520, 32.0571,
26.2705


 2.1723, 0.3753,
0.0000

 66.3828, 45.7608,
38.7649

 0.7281, 0.0000,
0.0000

 87.6737, 62.9006,
54.7004

 0.0000, 0.0000,
0.0000

 113.0902, 83.8609,
74.4954

 142.9977,

109.0261, 98.5686

177.7614,
138.7805, 127.3384

15.1676, 7.7187,
5.2479

15.1676, 7.7187,
5.2479

15.1672, 7.7186,
5.2461

15.6422, 8.2032,
6.8389

16.3101, 8.9945,
8.7405

17.2364, 10.2192,
10.9851

18.4496, 11.9309,
13.5925

19.9739, 14.1752,
16.5802

■ 21.8311, 16.9925,
19.9647

■ 24.0407, 20.4192,
23.7613

■ 26.6209, 24.4888,
27.9843

■ 29.5884, 29.2320,
32.6472

Harmonies

Analogous

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



14.8962, 7.7187, 15.1337



15.1676, 7.7187, 5.2479



12.9381, 7.7187, 1.2639

Triad

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



15.1676, 7.7187, 5.2479



3.9382, 7.7187, 0.9264



5.5900, 7.7187, 38.8419

Complementary

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



15.1676, 7.7187, 5.2479



14.5570, 25.6598, 15.4999

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.



3.6423, 7.7187, 26.5998



15.1676, 7.7187, 5.2479



2.8978, 7.7187, 4.0407

Square

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



15.1676, 7.7187, 5.2479



6.1303, 7.7187, 0.0000



2.8082, 7.7187, 12.6250



8.6911, 7.7187, 40.1943

Rectangle

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



15.1676, 7.7187, 5.2479



10.6296, 7.7187, 0.3457



2.8082, 7.7187, 12.6250



4.8050, 7.7187, 35.5980

Sweetspot

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



15.1678, 7.7192, 5.2480



42.8060, 36.1798, 42.1369



11.0201, 4.9585, 33.1771



9.2822, 7.5828, 8.8746



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.



15.1678, 7.7192, 5.2480



27.0740, 13.7877, 8.9259



14.4823, 7.7391, 0.7311



6.7348, 6.6868, 7.4544



11.9989, 6.1041, 4.2453



0.2346, 0.1172, 0.1815

Inverse Universe

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



15.1678, 7.7192, 5.2480



27.0740, 13.7877, 8.9259



16.0960, 22.1789, 36.2334



6.7348, 6.6868, 7.4544



11.9989, 6.1041, 4.2453



0.2346, 0.1172, 0.1815

Previews

White Background



This preview shows how the XYZ color 15.1676, 7.7187, 5.2479 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



This preview shows how the XYZ color 15.1676, 7.7187, 5.2479 looks on a 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 15.1676, 7.7187, 5.2479

Background



This preview shows how black text looks on a background with the XYZ color 15.1676, 7.7187, 5.2479.



This preview shows how white text looks on a background with the XYZ color 15.1676, 7.7187,

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

15.1676, 7.7187, 5.2479

Protanopia

8.1390, 8.3457, 11.0794

Deuteranopia

8.4510, 8.3213, 4.7752



Tritanopia

14.6028, 8.0262, 1.5902

Trichromacy



Original Color

15.1676, 7.7187, 5.2479

Protanomaly

8.9826, 6.2864, 8.3294

Deuteranomaly

9.6501, 6.5798, 4.7644

Tritanomaly

14.6198, 7.7733, 2.4801

Monochromacy



Original Color

15.1676, 7.7187, 5.2479

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.8790, 3.8347, 4.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1676, 7.7187, 5.2479 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(159, 0, 62)` looks like.

```
.text, #text, p{  
  color:rgb(159, 0, 62)  
}
```

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(159, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 15.1676, 7.7187, 5.2479 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(159, 0, 62) }
```


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

```
.border{ border-color:rgb(159, 0, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 0, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(159, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1676, 7.7187, 5.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 62) }
```

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

```
.background{ background-color: rgb(159, 0,  
62) }
```

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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