

Converting Colors

XYZ(14.7761, 7.4280, 9.2468)

Have a look what the booklet for
XYZ(14.7761, 7.4280, 9.2468)
contains.

XYZ(14.7766, 7.4282, 9.2493)	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(14.7766, 7.4282,
9.2493)**

Conversions

Conversions Part 1

Format	Color
Hex	990055
RGB	153, 0, 85
RGB Percent	60%, 0%, 33%
CMY	0.4000, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.44, 0.40
HSL	327°, 100%, 30%
HSV	327°, 100%, 60%
XYZ	14.7766, 7.4282, 9.2493
YIQ	55.4370, 63.9030, 58.8710

Conversions

Conversions Part 2

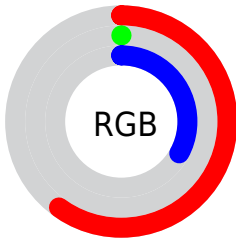
Format	Color
R_{YB}	153, 0, 85
Decimal	10027093
CIE Lab	32.76, 58.67, -3.85
CIE LCh	33, 58.796, 356.250
Yxy	7.4282, 0.4698, 0.2362
Android (android.graphics.Color)	4288217173 (0xFF990055)
YUV	55.4370, 14.5746, 85.5628
Hunter-Lab	27.2547, 49.0810, -1.0426

Details

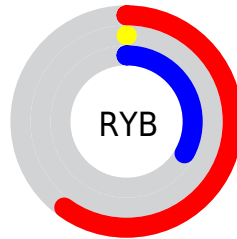
The XYZ color **14.7766, 7.4282, 9.2493** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.4355, 23.2002, 9.2947**, and the grayscale version is **3.6645, 3.8553, 4.1985**.

A 20% lighter version of the original color is **33.9705, 20.7504, 24.7690**, and **5.2069, 2.6400, 2.2426** is the 20% darker color. If you saturate the color by 10%, you get **14.7762, 7.4281, 9.2475**, and if you desaturate by 10%, it is **15.2353, 7.8923, 10.8001**.

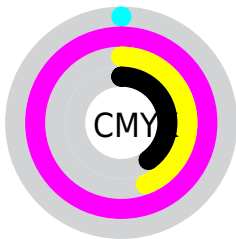
Distribution



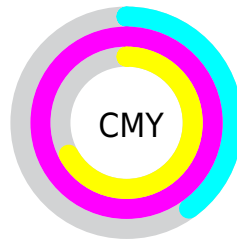
- Red (60%)
- Green (0%)
- Blue (33%)



- Red (60%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7766, 7.4282, 9.2493 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 14.7766, 7.4282, 9.2493 by changing the saturation by 10% instead.


 14.7766, 7.4282,
9.2493


 14.7766, 7.4282,
9.2493


215.4253,
171.1758, 195.5130


 8.7480, 3.7313,
4.8051


 34.0357, 20.8296,
24.9589


 4.6330, 1.5244,
2.0766

 47.9969, 31.3029,
37.0615


 2.0661, 0.3058,
0.6018

 65.3331, 44.8038,
52.5539

 0.6707, 0.0000,
0.0000


 86.4095, 61.7166,
71.8547

 0.0000, 0.0000,
0.0000

 111.5916, 82.4258,
95.3825

 141.2447,


107.3159, 123.5558

 175.7342,
136.7710, 156.7931

 14.7766, 7.4282,
9.2493


 14.7766, 7.4282,
9.2493


 14.7762, 7.4281,
9.2475

 15.2353, 7.8923,
10.8001

 15.8502, 8.6258,
12.5344

 16.6813, 9.7483,
14.4758

 17.7534, 11.3078,
16.6357

 19.0874, 13.3452,
19.0241

■ 20.7018, 15.8969,
21.6502

■ 22.6136, 18.9954,
24.5226

■ 24.8382, 22.6708,
27.6492

■ 27.3898, 26.9509,
31.0376

Harmonies

Analogous

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



13.2215, 7.4282, 21.6526



14.7766, 7.4282, 9.2493



13.8190, 7.4282, 2.6649

Triad

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



14.7766, 7.4282, 9.2493



4.7505, 7.4282, 0.2625



4.2536, 7.4282, 31.9918

Complementary

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



14.7766, 7.4282, 9.2493



12.4355, 23.2002, 9.2947

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.



2.9680, 7.4282, 18.1542



14.7766, 7.4282, 9.2493



3.1908, 7.4282, 1.8491

Square

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



14.7766, 7.4282, 9.2493



7.4549, 7.4282, 0.0000



2.6447, 7.4282, 7.0283



6.6798, 7.4282, 39.5857

Rectangle

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



14.7766, 7.4282, 9.2493



12.0012, 7.4282, 0.9799



2.6447, 7.4282, 7.0283



3.7045, 7.4282, 27.5811

Sweetspot

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



14.7768, 7.4286, 9.2494



40.2752, 33.6534, 43.5926



8.0178, 3.4695, 30.3841



8.5906, 6.9381, 9.1789



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.7768, 7.4286, 9.2494



26.3678, 13.2649, 16.0623



13.1931, 6.7951, 0.9097



6.3452, 6.2772, 7.1978



12.2293, 6.1459, 7.7323



0.2011, 0.0992, 0.2119

Inverse Universe

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



14.7768, 7.4286, 9.2494



26.3678, 13.2649, 16.0623



16.3344, 24.7598, 29.8260



6.3452, 6.2772, 7.1978



12.2293, 6.1459, 7.7323



0.2011, 0.0992, 0.2119

Previews

White Background



This preview shows how the XYZ color 14.7766, 7.4282, 9.2493 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 14.7766, 7.4282, 9.2493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

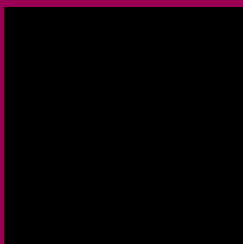
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7766, 7.4282, 9.2493

Background



This preview shows how black text looks on a background with the XYZ color 14.7766, 7.4282, 9.2493.



This preview shows how white text looks on a background with the XYZ color 14.7766, 7.4282, 9.2493.

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

14.7766, 7.4282, 9.2493

Protanopia

8.4888, 8.1209, 19.5324

Deuteranopia

8.2555, 8.1371, 8.5326



Tritanopia

13.4384, 7.7436, 2.2997

Trichromacy



Original Color

14.7766, 7.4282, 9.2493

Protanomaly

8.8307, 5.9267, 15.1465

Deuteranomaly

9.3079, 6.3200, 8.5139

Tritanomaly

13.6920, 7.4102, 4.0768

Monochromacy



Original Color

14.7766, 7.4282, 9.2493

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.8988, 3.8196, 5.5806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7766, 7.4282, 9.2493 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(153, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 85)  
}
```

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(153, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 14.7766, 7.4282, 9.2493 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(153, 0, 85) }
```


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

```
.border{ border-color:rgb(153, 0, 85) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.7766, 7.4282, 9.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 85) }
```

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

```
.background{ background-color: rgb(153, 0,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor