

Converting Colors

XYZ(37.4773, 22.6948, 97.0130)

Have a look what the booklet for
XYZ(37.4773, 22.6948, 97.0130)
contains.

XYZ(37.4320, 22.6393, 97.0047)	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(37.4320, 22.6393,
97.0047)**

Conversions

Conversions Part 1

Format	Color
Hex	A65AFF
RGB	166, 90, 255
RGB Percent	65%, 35%, 100%
CMY	0.3490, 0.6471, 0.0000
CMYK	0.35, 0.65, 0.00, 0.00
HSL	268°, 100%, 68%
HSV	268°, 65%, 100%
XYZ	37.4320, 22.6393, 97.0047
YIQ	131.5340, -7.6690, 67.4270

Conversions

Conversions Part 2

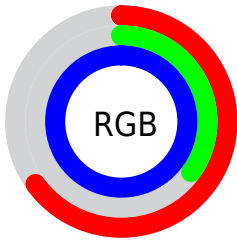
Format	Color
R_{YB}	166, 90, 255
Decimal	10902271
CIE _{Lab}	54.70, 61.76, -70.55
CIE _{LCh}	55, 93.765, 311.200
Yxy	22.6393, 0.2383, 0.1441
Android (android.graphics.Color)	4289092351 (0xFFA65AFF)
YUV	131.5340, 60.8687, 30.2267
Hunter-Lab	47.5808, 57.1604, -87.5702

Details

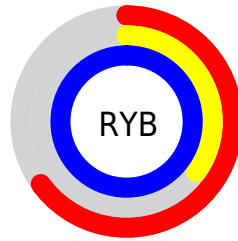
The XYZ color **37.4320, 22.6393, 97.0047** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **56.1956, 81.8417, 22.5085**, and the grayscale version is **21.5561, 22.6787, 24.6971**.

A 20% lighter version of the original color is **59.3873, 43.3353, 99.8422**, and **16.7425, 8.3591, 53.5544** is the 20% darker color. If you saturate the color by 10%, you get **32.9075, 17.6432, 96.2788**, and if you desaturate by 10%, it is **43.0042, 29.2705, 97.9909**.

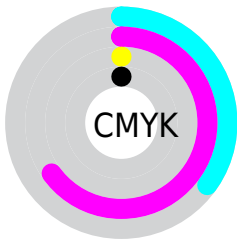
Distribution



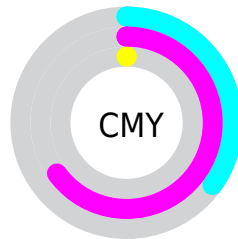
- Red (65%)
- Green (35%)
- Blue (100%)



- Red (65%)
- Yellow (35%)
- Blue (100%)



- Cyan (35%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4320, 22.6393, 97.0047 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 37.4320, 22.6393, 97.0047 by changing the saturation by 10% instead.

 37.4320, 22.6393,
97.0047


 37.4320, 22.6393,
97.0047


326.5002,
265.8669, 571.7106

 25.7174, 14.3274,
73.1985


 70.5462, 47.8004,
159.0506


 16.7439, 8.3487,
53.6455


 92.6765, 65.4183,
198.1274

 10.1462, 4.3189,
37.9271


 119.0094, 86.9071,
243.1315

 5.5590, 1.8535,
25.6247

 149.9103,
112.6511, 294.4815

 2.6169, 0.5202,
16.3198

185.7444,
143.0347, 352.5958

 0.9546, 0.0000,
9.5940

226.8772,

 0.0000, 0.0000,

178.4422, 417.8931

5.0285

273.6740,
219.2582, 490.7918

■ 0.0000, 0.0000,
2.2050

■ 0.0000, 0.0000,
0.6772

■ 37.4320, 22.6393,
97.0047

■ 37.4320, 22.6393,
97.0047

■ 32.9075, 17.6432,
96.2788

■ 43.0042, 29.2705,
97.9909

■ 29.3390, 14.1168,
95.7862

■ 49.6982, 37.6752,
99.2604

■ 26.6201, 11.8614,
95.4942

■ 57.5842, 47.9790,
100.8336

■ 25.4479, 11.0338,
95.3962

■ 66.7250, 60.2954,
102.7291

■ 77.1789, 74.7287,
104.9640

■ 89.0002, 91.3755,
107.5542

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



25.6110, 22.6393, 133.1512



37.4320, 22.6393, 97.0047



46.3296, 22.6393, 47.9033

Triad

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



37.4320, 22.6393, 97.0047



28.5750, 22.6393, 0.3877



7.3228, 22.6393, 37.4319

Complementary

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



37.4320, 22.6393, 97.0047



56.1956, 81.8417, 22.5085

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.



7.6601, 22.6393, 10.4868



37.4320, 22.6393, 97.0047



17.8861, 22.6393, 0.1628

Square

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



37.4320, 22.6393, 97.0047



40.1902, 22.6393, 2.9594



10.9072, 22.6393, 1.8422



9.7658, 22.6393, 84.3114

Rectangle

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



37.4320, 22.6393, 97.0047



48.1118, 22.6393, 23.4786



10.9072, 22.6393, 1.8422



7.1421, 22.6393, 25.8605

Sweetspot

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



37.4330, 22.6400, 97.0048



72.5247, 68.2641, 103.9616



38.7399, 42.3403, 100.7384



14.8893, 13.7375, 22.1168



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.4330, 22.6400, 97.0048



31.6308, 16.3277, 96.0922



59.9760, 34.2614, 98.0598



17.7981, 17.7877, 22.7452



13.4649, 5.8519, 49.8544



1.4354, 0.6339, 4.8600

Inverse Universe

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



53.0328, 31.8273, 45.9950



49.3042, 26.7561, 37.3960



42.6698, 74.8689, 21.8755



18.4191, 18.1510, 20.8241



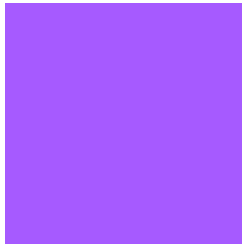
24.0048, 12.0912, 13.9417



2.3925, 1.1994, 1.6481

Previews

White Background



This preview shows how the XYZ color 37.4320, 22.6393, 97.0047 looks on a white background.

Color Contrast Check

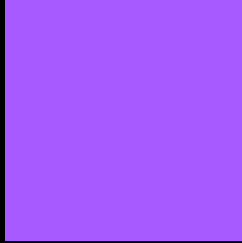
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.4320, 22.6393, 97.0047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

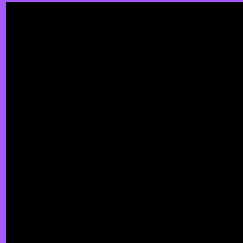
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4320, 22.6393, 97.0047

Background



This preview shows how black text looks on a background with the XYZ color 37.4320, 22.6393, 97.0047.



This preview shows how white text looks on a background with the XYZ color 37.4320, 22.6393,

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

37.4320, 22.6393, 97.0047

Protanopia

27.0046, 23.1026, 97.6437

Deuteranopia

23.2388, 22.7156, 81.0016



Tritanopia

23.0601, 22.4501, 26.4104

Trichromacy



Original Color

37.4320, 22.6393, 97.0047



Protanomaly

28.5815, 21.5818, 97.2670



Deuteranomaly

24.2518, 20.0940, 86.6047



Tritanomaly

26.8043, 21.6442, 45.4128

Monochromacy



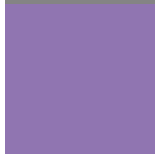
Original Color

37.4320, 22.6393, 97.0047



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

25.7987, 21.8262, 44.4481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4320, 22.6393, 97.0047 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(166, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 90, 255)  
}
```

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(166, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 90, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4320, 22.6393, 97.0047 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(166, 90, 255) }
```


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

```
.border{ border-color:rgb(166, 90, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 90, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 90,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4320, 22.6393, 97.0047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 90, 255) }
```

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

```
.background{ background-color: rgb(166, 90,  
255) }
```

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