

Converting Colors

XYZ(40.7037, 30.1028, 92.4726)

Have a look what the booklet for
XYZ(40.7037, 30.1028, 92.4726)
contains.

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Color

**XYZ(40.7663, 30.1340,
92.4748)**

Conversions

Conversions Part 1

Format	Color
Hex	A97EF8
RGB	169, 126, 248
RGB Percent	66%, 49%, 97%
CMY	0.3372, 0.5059, 0.0274
CMYK	0.32, 0.49, 0.00, 0.03
HSL	261°, 90%, 73%
HSV	261°, 49%, 97%
XYZ	40.7663, 30.1340, 92.4748
YIQ	152.7650, -13.5340, 47.0580

Conversions

Conversions Part 2

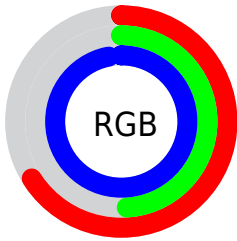
Format	Color
R _{YB}	169, 126, 248
Decimal	11108088
CIE Lab	61.77, 41.86, -55.32
CIE LCh	62, 69.368, 307.115
Yxy	30.1340, 0.2495, 0.1844
Android (android.graphics.Color)	4289298168 (0xFFA97EF8)
YUV	152.7650, 46.9509, 14.2381
Hunter-Lab	54.8944, 36.4943, -61.4534

Details

The XYZ color **40.7663, 30.1340, 92.4748** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **62.5105, 81.6208, 32.1993**, and the grayscale version is **29.9840, 31.5455, 34.3531**.

A 20% lighter version of the original color is **66.0498, 56.1934, 101.9730**, and **18.7985, 12.4412, 50.7008** is the 20% darker color. If you saturate the color by 10%, you get **34.7432, 22.8910, 91.3948**, and if you desaturate by 10%, it is **48.0009, 39.1691, 93.8380**.

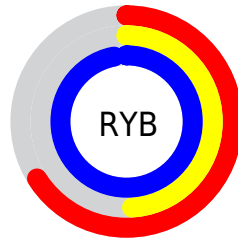
Distribution



Red (66%)

Green (49%)

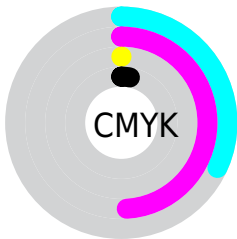
Blue (97%)



Red (66%)

Yellow (49%)

Blue (97%)

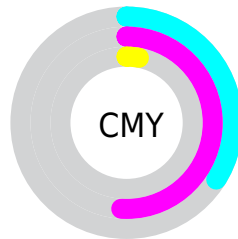


Cyan (32%)

Magenta (49%)

Yellow (0%)

Black (3%)



Cyan (34%)

Magenta (51%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7663, 30.1340, 92.4748 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 40.7663, 30.1340, 92.4748 by changing the saturation by 10% instead.

40.7663, 30.1340,
92.4748

40.7663, 30.1340,
92.4748

340.4222,
302.5286, 556.8253

28.3234, 19.9403,
69.4498

75.6060, 59.8740,
152.7367

18.7113, 12.3517,
50.6041

98.7334, 80.1892,
190.8107

11.5646, 6.9837,
35.5191

126.1531,
104.6469, 234.7381

6.5180, 3.4519,
23.7763

158.2303,
133.6317, 284.9374

3.2062, 1.3719,
14.9571

195.3305,
167.5278, 341.8273

1.2637, 0.1959,
8.6430

237.8190,

0.1558, 0.0000,

206.7197, 405.8262

4.4154

286.0611,
251.5919, 477.3527

■ 0.0000, 0.0000,
1.8559

■ 0.0000, 0.0000,
0.4645

■ 40.7663, 30.1340,
92.4748

■ 40.7663, 30.1340,
92.4748

■ 34.7432, 22.8910,
91.3948

■ 48.0009, 39.1691,
93.8380

■ 29.8535, 17.3106,
90.5754

■ 56.5109, 50.1067,
95.5007

■ 26.0147, 13.2505,
89.9940

■ 66.3598, 63.0520,
97.4803

■ 23.1294, 10.5414,
89.6232

■ 77.6057, 78.1013,
99.7923

■ 21.0572, 8.9303,
89.4214

■ 90.3029, 95.3448,
102.4515

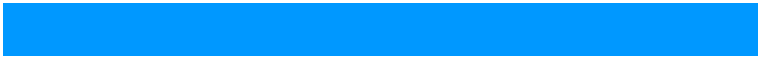
■ 20.9126, 8.8235,
89.4084

■ 93.9434, 99.5574,
103.0727

Harmonies

Analogous

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



30.9007, 30.1340, 113.7219



40.7663, 30.1340, 92.4748



48.3444, 30.1340, 56.8656

Triad

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



40.7663, 30.1340, 92.4748



36.1276, 30.1340, 4.7040



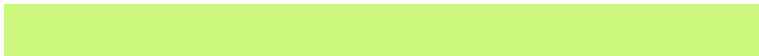
14.3725, 30.1340, 39.5309

Complementary

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



40.7663, 30.1340, 92.4748



62.5105, 81.6208, 32.1993

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.



15.1847, 30.1340, 16.7244



40.7663, 30.1340, 92.4748



26.4951, 30.1340, 3.7813

Square

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



40.7663, 30.1340, 92.4748



45.2890, 30.1340, 10.6771



19.1961, 30.1340, 6.6518



16.6735, 30.1340, 74.1294

Rectangle

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



40.7663, 30.1340, 92.4748



50.3230, 30.1340, 35.4413



19.1961, 30.1340, 6.6518



14.3004, 30.1340, 30.3138

Sweetspot

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



40.7675, 30.1351, 92.4755



75.5061, 73.5783, 104.8302



47.4514, 55.0201, 96.9265



15.6330, 15.0439, 22.3298



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.



40.7675, 30.1351, 92.4755



37.0738, 24.4582, 97.3746



56.9418, 38.4733, 93.2325



16.8602, 16.9406, 21.7665



11.4342, 4.8372, 48.3046



1.1692, 0.5048, 4.4790

Inverse Universe

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



57.1923, 39.2867, 62.3262



56.9030, 35.5346, 59.7186



48.8882, 74.5982, 31.5617



17.7180, 17.4146, 20.3710



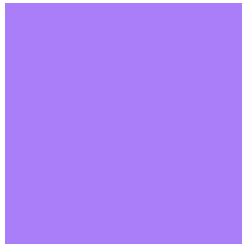
24.4365, 12.1903, 19.5387



2.3135, 1.1491, 2.0744

Previews

White Background



This preview shows how the XYZ color 40.7663, 30.1340, 92.4748 looks on a white background.

Color Contrast Check

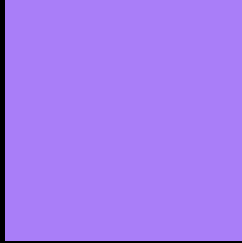
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.7663, 30.1340, 92.4748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

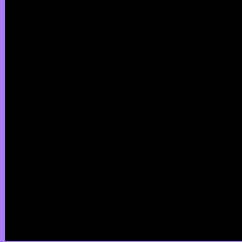
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7663, 30.1340, 92.4748

Background



This preview shows how black text looks on a background with the XYZ color 40.7663, 30.1340, 92.4748.



This preview shows how white text looks on a background with the XYZ color 40.7663, 30.1340,

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

40.7663, 30.1340, 92.4748

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.4976, 30.5591, 89.0324



Tritanopia

29.4542, 29.9499, 37.0294

Trichromacy



Original Color

40.7663, 30.1340, 92.4748

Protanomaly

35.4075, 29.9291, 96.0062

Deuteranomaly

33.7520, 29.6354, 90.3275

Tritanomaly

32.7371, 29.4959, 53.2581

Monochromacy



Original Color

40.7663, 30.1340, 92.4748

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.1976, 30.6467, 51.7427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7663, 30.1340, 92.4748 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(169, 126, 248)` looks like.

```
.text, #text, p{  
    color:rgb(169, 126, 248)  
}
```

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(169, 126, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 126, 248) }
```

Border

The CSS property to change the border of an element to XYZ 40.7663, 30.1340, 92.4748 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(169, 126, 248) }
```


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

```
.border{ border-color:rgb(169, 126, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 126, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 126, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 126, 248);  
box-shadow:4px 4px 4px 4px rgb(169, 126,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7663, 30.1340, 92.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 126, 248) }
```

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

```
.background{ background-color: rgb(169,  
126, 248) }
```

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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