

Converting Colors

XYZ(40.2242, 32.1342, 90.3087)

Have a look what the booklet for
XYZ(40.2242, 32.1342, 90.3087)
contains.

XYZ(40.3274, 32.1653, 90.4692)	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(40.3274, 32.1653,
90.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	A289F5
RGB	162, 137, 245
RGB Percent	64%, 54%, 96%
CMY	0.3647, 0.4627, 0.0392
CMYK	0.34, 0.44, 0.00, 0.04
HSL	254°, 84%, 75%
HSV	254°, 44%, 96%
XYZ	40.3274, 32.1653, 90.4692
YIQ	156.7870, -19.7680, 38.8880

Conversions

Conversions Part 2

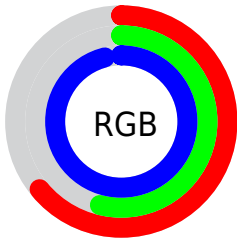
Format	Color
R_{YB}	162, 137, 245
Decimal	10652149
CIE _{Lab}	63.48, 33.13, -50.99
CIE _{LCh}	63, 60.808, 303.014
Yxy	32.1653, 0.2475, 0.1974
Android (android.graphics.Color)	4288842229 (0xFFA289F5)
YUV	156.7870, 43.4890, 4.5718
Hunter-Lab	56.7145, 27.6740, -54.8775

Details

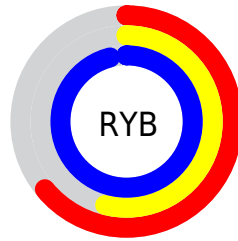
The XYZ color **40.3274, 32.1653, 90.4692** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.6833, 82.3271, 36.0441**, and the grayscale version is **31.7705, 33.4251, 36.3999**.

A 20% lighter version of the original color is **65.8942, 59.5417, 102.6274**, and **18.4292, 13.5114, 49.2136** is the 20% darker color. If you saturate the color by 10%, you get **33.6894, 24.1475, 89.2721**, and if you desaturate by 10%, it is **48.3312, 42.0619, 91.9582**.

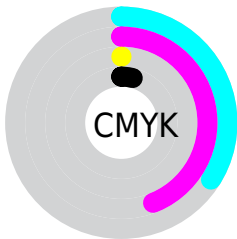
Distribution



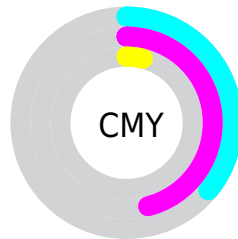
- Red (64%)
- Green (54%)
- Blue (96%)



- Red (64%)
- Yellow (54%)
- Blue (96%)



- Cyan (34%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (46%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3274, 32.1653, 90.4692 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 40.3274, 32.1653, 90.4692 by changing the saturation by 10% instead.

40.3274, 32.1653,
90.4692

40.3274, 32.1653,
90.4692

338.6124,
311.8716, 550.1654

27.9793, 21.4878,
67.7940

74.9430, 63.0701,
149.9312

18.4504, 13.4810,
49.2645

97.9411, 84.0663,
187.5550

11.3755, 7.7606,
34.4623

125.2200,
109.2707, 230.9987

6.3891, 3.9422,
22.9687

157.1449,
139.0678, 280.6809

3.1260, 1.6413,
14.3653

194.0813,
173.8421, 337.0202

1.2207, 0.3852,
8.2335

236.3944,

0.1227, 0.0000,

213.9779, 400.4350

4.1548

284.4496,
259.8596, 471.3439

■ 0.0000, 0.0000,
1.7107

■ 0.0000, 0.0000,
0.3680

■ 40.3274, 32.1653,
90.4692

■ 40.3274, 32.1653,
90.4692

■ 33.6894, 24.1475,
89.2721

■ 48.3312, 42.0619,
91.9582

■ 28.3339, 17.8835,
88.3453

■ 57.7699, 53.9443,
93.7543

■ 24.1738, 13.2383,
87.6679

■ 68.7124, 67.9155,
95.8742

■ 21.1087, 10.0552,
87.2151

■ 81.2219, 84.0702,
98.3331

■ 19.0197, 8.1443,
86.9563

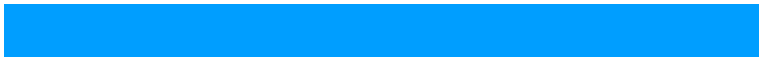
■ 93.4815, 99.3726,
100.6406

■ 18.1528, 7.4542,
86.8688

Harmonies

Analogous

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



31.4362, 32.1653, 105.2603



40.3274, 32.1653, 90.4692



47.4947, 32.1653, 60.7246

Triad

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



40.3274, 32.1653, 90.4692



38.5702, 32.1653, 7.7391



17.0265, 32.1653, 37.5318

Complementary

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



40.3274, 32.1653, 90.4692



66.6833, 82.3271, 36.0441

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.



18.2388, 32.1653, 17.8404



40.3274, 32.1653, 90.4692



29.7241, 32.1653, 6.0479

Square

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



40.3274, 32.1653, 90.4692



46.3556, 32.1653, 15.2667



22.5325, 32.1653, 8.6702



18.8522, 32.1653, 67.0616

Rectangle

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



40.3274, 32.1653, 90.4692



49.7448, 32.1653, 41.0046



22.5325, 32.1653, 8.6702



17.0932, 32.1653, 29.6526

Sweetspot

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



40.3286, 32.1665, 90.4700



76.6120, 76.1273, 105.2639



52.8140, 63.9421, 95.9452



15.7911, 15.5147, 22.4123



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.



40.3286, 32.1665, 90.4700



37.5363, 27.2093, 97.8813



53.2764, 38.8413, 91.0759



15.9401, 16.1118, 20.8123



9.8790, 4.0672, 46.8024



0.9550, 0.4022, 4.1175

Inverse Universe

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



59.5207, 42.4720, 72.7708



61.3541, 40.0232, 74.8089



53.2320, 75.3927, 35.4146



17.0399, 16.6988, 19.9568



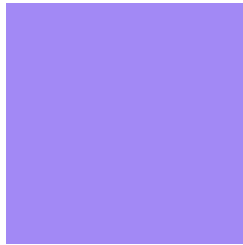
25.2484, 12.4428, 27.0803



2.2580, 1.1092, 2.5851

Previews

White Background



This preview shows how the XYZ color 40.3274, 32.1653, 90.4692 looks on a white background.

Color Contrast Check

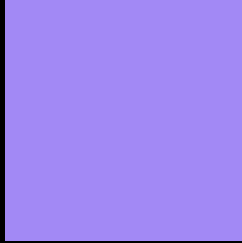
Large Text (above 18pt) WCAG AA × Fail

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 40.3274, 32.1653, 90.4692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

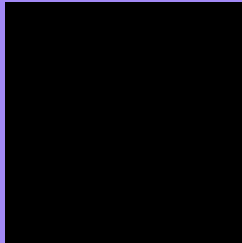
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3274, 32.1653, 90.4692

Background



This preview shows how black text looks on a background with the XYZ color 40.3274, 32.1653, 90.4692.



This preview shows how white text looks on a background with the XYZ color 40.3274, 32.1653,

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

40.3274, 32.1653, 90.4692

Protanopia

35.5119, 32.4122, 98.9922

Deuteranopia

33.3766, 32.5262, 87.7381



Tritanopia

30.3735, 32.2525, 41.1837

Trichromacy



Original Color

40.3274, 32.1653, 90.4692

Protanomaly

36.7439, 31.9617, 95.4994

Deuteranomaly

35.2211, 32.0262, 88.3297

Tritanomaly

33.2027, 31.6992, 55.9984

Monochromacy



Original Color

40.3274, 32.1653, 90.4692

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.3897, 32.8577, 52.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3274, 32.1653, 90.4692 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(162, 137, 245)` looks like.

```
.text, #text, p{  
    color:rgb(162, 137, 245)  
}
```

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(162, 137, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 137, 245) }
```

Border

The CSS property to change the border of an element to XYZ 40.3274, 32.1653, 90.4692 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(162, 137, 245) }
```


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

```
.border{ border-color:rgb(162, 137, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 137, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 137, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 137, 245);  
box-shadow:4px 4px 4px 4px rgb(162, 137,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3274, 32.1653, 90.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 137, 245) }
```

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

```
.background{ background-color: rgb(162,  
137, 245) }
```

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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