

Converting Colors

XYZ(32.4548, 24.2306, 63.7832)

Have a look what the booklet for
XYZ(32.4548, 24.2306, 63.7832)
contains.

XYZ(32.4383, 24.1448, 63.9235)	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(32.4383, 24.1448,
63.9235)**

Conversions

Conversions Part 1

Format	Color
Hex	A271D2
RGB	162, 113, 210
RGB Percent	64%, 44%, 82%
CMY	0.3647, 0.5569, 0.1765
CMYK	0.23, 0.46, 0.00, 0.18
HSL	270°, 52%, 63%
HSV	270°, 46%, 82%
XYZ	32.4383, 24.1448, 63.9235
YIQ	138.7090, -1.9330, 40.5550

Conversions

Conversions Part 2

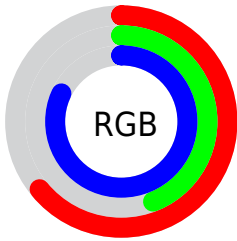
Format	Color
R _{YB}	162, 113, 210
Decimal	10645970
CIE _{Lab}	56.23, 38.07, -42.93
CIE _{LCh}	56, 57.377, 311.567
Yxy	24.1448, 0.2692, 0.2004
Android (android.graphics.Color)	4288836050 (0xFFA271D2)
YUV	138.7090, 35.1465, 20.4262
Hunter-Lab	49.1374, 31.8474, -42.7351

Details

The XYZ color **32.4383, 24.1448, 63.9235** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.7257, 54.8630, 24.0668**, and the grayscale version is **24.2995, 25.5650, 27.8403**.

A 20% lighter version of the original color is **60.8996, 49.5525, 100.9626**, and **13.8782, 9.1097, 32.0372** is the 20% darker color. If you saturate the color by 10%, you get **28.3365, 18.9459, 63.1366**, and if you desaturate by 10%, it is **37.2584, 30.5196, 64.9003**.

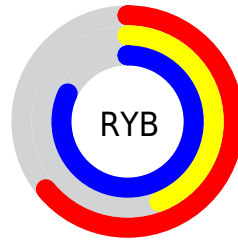
Distribution



Red (64%)

Green (44%)

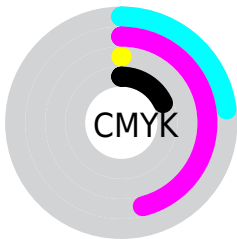
Blue (82%)



Red (64%)

Yellow (44%)

Blue (82%)

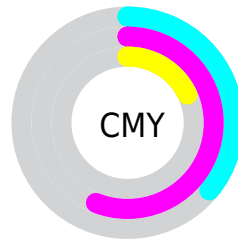


Cyan (23%)

Magenta (46%)

Yellow (0%)

Black (18%)



Cyan (36%)

Magenta (56%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4383, 24.1448, 63.9235 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 32.4383, 24.1448, 63.9235 by changing the saturation by 10% instead.

32.4383, 24.1448,
63.9235

32.4383, 24.1448,
63.9235

304.8210,
273.5517, 457.1132

21.8537, 15.4411,
46.1429

62.8581, 50.2664,
112.0992

13.8654, 9.1295,
32.0091

83.4241, 68.4530,
143.3313

8.1082, 4.8258,
21.1036

108.0478, 90.5694,
179.8845

4.2166, 2.1454,
13.0078

137.0947,
117.0000, 222.1771

1.8254, 0.6900,
7.3031

170.9301,
148.1291, 270.6277

0.5329, 0.0000,
3.5711

209.9194,

0.0000, 0.0000,

184.3412, 325.6549

1.3931

254.4279,
226.0206, 387.6772

■ 0.0000, 0.0000,
0.1363

■ 0.0000, 0.0000,
0.0000

■ 32.4383, 24.1448,
63.9235

■ 32.4383, 24.1448,
63.9235

■ 28.3365, 18.9459,
63.1366

■ 37.2584, 30.5196,
64.9003

■ 24.9082, 14.8420,
62.5252

■ 42.8323, 38.1380,
66.0770


■ 22.1071, 11.7462,
62.0753

■ 49.1965, 47.0659,
67.4649


■ 19.8787, 9.5564,
61.7700


■ 56.3838, 57.3637,
69.0738


 18.1557, 8.1447,
61.5884


 64.4253, 69.0880,
70.9129

 17.5868, 7.7225,
61.5369

 73.3502, 82.2918,
72.9911

 81.5694, 93.7918,
74.7776

 85.0965, 95.6101,
74.9427

 88.6329, 97.4332,
75.1082

Harmonies

Analogous

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



25.5881, 24.1448, 80.3730



32.4383, 24.1448, 63.9235



37.2125, 24.1448, 39.5340

Triad

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



32.4383, 24.1448, 63.9235



27.1990, 24.1448, 4.6895



12.6281, 24.1448, 34.2692

Complementary

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



32.4383, 24.1448, 63.9235



40.7257, 54.8630, 24.0668

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.



12.8940, 24.1448, 16.3926



32.4383, 24.1448, 63.9235



20.4977, 24.1448, 4.3415

Square

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



32.4383, 24.1448, 63.9235



33.8105, 24.1448, 8.7995



15.5181, 24.1448, 7.3978



14.7050, 24.1448, 58.5191

Rectangle

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



32.4383, 24.1448, 63.9235



38.1116, 24.1448, 25.3085



15.5181, 24.1448, 7.3978



12.4590, 24.1448, 27.2957

Sweetspot

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



32.4392, 24.1458, 63.9241



78.4966, 76.1018, 105.1596



31.2761, 33.8296, 65.8545



16.3053, 15.5837, 22.3985



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.



32.4392, 24.1458, 63.9241



44.3046, 29.8135, 98.0272



44.1169, 30.1658, 64.4706



11.7247, 11.7069, 14.8854



10.8439, 4.7705, 37.5418



0.6978, 0.3139, 2.1034

Inverse Universe

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



38.9171, 28.0859, 37.0887



56.0098, 36.9316, 49.6069



32.8380, 50.7967, 23.6977



12.0491, 11.9044, 13.5345



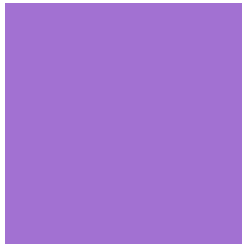
17.7846, 8.9867, 9.0379



1.0345, 0.5185, 0.7163

Previews

White Background



This preview shows how the XYZ color 32.4383, 24.1448, 63.9235 looks on a white background.

Color Contrast Check

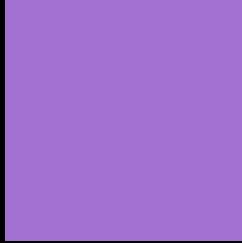
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4383, 24.1448, 63.9235 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 32.4383, 24.1448, 63.9235

Background



This preview shows how black text looks on a background with the XYZ color 32.4383, 24.1448, 63.9235.



This preview shows how white text looks on a background with the XYZ color 32.4383, 24.1448,

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

32.4383, 24.1448, 63.9235

Protanopia

26.8357, 24.4815, 75.9840

Deuteranopia

25.1714, 24.5509, 61.8046



Tritanopia

25.0881, 24.0486, 27.7457

Trichromacy



Original Color

32.4383, 24.1448, 63.9235

Protanomaly

27.9925, 23.8096, 71.5270

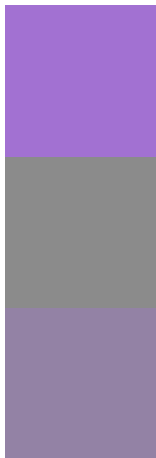
Deuteranomaly

27.0202, 23.8947, 62.2195

Tritanomaly

27.2009, 23.7526, 38.7484

Monochromacy



Original Color

32.4383, 24.1448, 63.9235

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.8068, 24.8849, 38.9877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4383, 24.1448, 63.9235 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, 113, 210)` looks like.

```
.text, #text, p{  
    color:rgb(162, 113, 210)  
}
```

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, 113, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 113, 210) }
```

Border

The CSS property to change the border of an element to XYZ 32.4383, 24.1448, 63.9235 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, 113, 210) }
```


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

```
.border{ border-color:rgb(162, 113, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 113, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 113, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 113, 210);  
box-shadow:4px 4px 4px 4px rgb(162, 113,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4383, 24.1448, 63.9235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 113, 210) }
```

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

```
.background{ background-color: rgb(162,  
113, 210) }
```

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