

Converting Colors

XYZ(32.2020, 24.7976, 54.0104)

Have a look what the booklet for
XYZ(32.2020, 24.7976, 54.0104)
contains.

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Color

**XYZ(32.1314, 24.7107,
54.1151)**

Conversions

Conversions Part 1

Format	Color
Hex	A874C2
RGB	168, 116, 194
RGB Percent	66%, 45%, 76%
CMY	0.3412, 0.5451, 0.2392
CMYK	0.13, 0.40, 0.00, 0.24
HSL	280°, 39%, 61%
HSV	280°, 40%, 76%
XYZ	32.1314, 24.7107, 54.1151
YIQ	140.4400, 5.9540, 35.2820

Conversions

Conversions Part 2

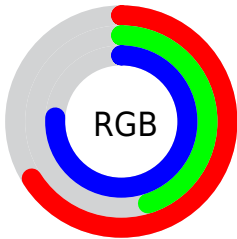
Format	Color
R _Y B	168, 116, 194
Decimal	11039938
CIE _{Lab}	56.79, 34.55, -32.92
CIE _{LCh}	57, 47.721, 316.386
Yxy	24.7107, 0.2896, 0.2227
Android (android.graphics.Color)	4289230018 (0xFFA874C2)
YUV	140.4400, 26.4051, 24.1701
Hunter-Lab	49.7099, 28.3864, -29.7473

Details

The XYZ color **32.1314, 24.7107, 54.1151** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.6004, 45.5960, 23.5542**, and the grayscale version is **24.9980, 26.2998, 28.6405**.

A 20% lighter version of the original color is **62.3410, 51.1883, 97.8614**, and **13.6213, 9.3673, 25.9011** is the 20% darker color. If you saturate the color by 10%, you get **28.7818, 20.0042, 53.3836**, and if you desaturate by 10%, it is **36.0182, 30.3885, 55.0066**.

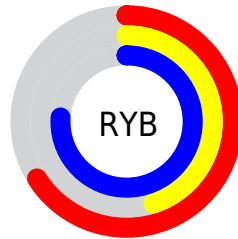
Distribution



Red (66%)

Green (45%)

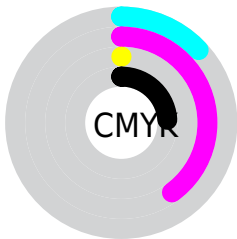
Blue (76%)



Red (66%)

Yellow (45%)

Blue (76%)

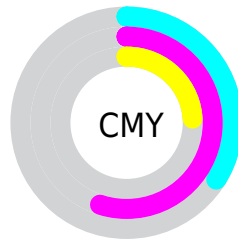


Cyan (13%)

Magenta (40%)

Yellow (0%)

Black (24%)



Cyan (34%)

Magenta (55%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1314, 24.7107, 54.1151 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 32.1314, 24.7107, 54.1151 by changing the saturation by 10% instead.

■ 32.1314, 24.7107,
54.1151

■ 32.1314, 24.7107,
54.1151

303.4520,
276.3941, 419.7358

■ 21.6179, 15.8616,
38.2999

■ 62.3808, 51.1875,
97.7013

■ 13.6914, 9.4263,
25.9119

■ 82.8475, 69.5840,
126.3094

■ 7.9866, 5.0203,
16.5326

■ 107.3626, 91.9319,
160.0189

■ 4.1381, 2.2592,
9.7434

136.2915,
118.6154, 199.2483

■ 1.7806, 0.7520,
5.1258

169.9995,
150.0190, 244.4161

■ 0.5059, 0.0000,
2.2612

208.8520,

■ 0.0000, 0.0000,

186.5270, 295.9410

0.7094

253.2144,
228.5239, 354.2413

■ 0.0000, 0.0000,
0.0000

■ 32.1314, 24.7107,
54.1151

■ 32.1314, 24.7107,
54.1151

■ 28.7818, 20.0042,
53.3836

■ 36.0182, 30.3885,
55.0066

■ 25.9364, 16.2067,
52.8006

■ 40.4672, 37.0885,
56.0653

■ 23.5626, 13.2535,
52.3557

■ 45.5051, 44.8616,
57.3001

■ 21.6221, 11.0699,
52.0365

■ 51.1559, 53.7546,
58.7188

■ 20.0700, 9.5674,
51.8282

■ 57.4421, 63.8113,
60.3287

■ 18.8416, 8.5883,
51.7040

■ 64.3851, 75.0731,
62.1365

■ 72.0053, 87.5795,
64.1488

■ 74.9330, 90.5895,
64.5755

■ 76.9253, 91.6166,
64.6687

Harmonies

Analogous

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



26.6416, 24.7107, 68.3983



32.1314, 24.7107, 54.1151



35.5178, 24.7107, 34.7958

Triad

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



32.1314, 24.7107, 54.1151



26.1006, 24.7107, 6.7420



14.6327, 24.7107, 36.5260

Complementary

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



32.1314, 24.7107, 54.1151



33.6004, 45.5960, 23.5542

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.



14.5350, 24.7107, 20.3088



32.1314, 24.7107, 54.1151



20.5914, 24.7107, 6.8959

Square

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



32.1314, 24.7107, 54.1151



31.6818, 24.7107, 10.2408



16.5509, 24.7107, 10.8021



16.8429, 24.7107, 55.8052

Rectangle

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



32.1314, 24.7107, 54.1151



35.8278, 24.7107, 23.6344



16.5509, 24.7107, 10.8021



14.3653, 24.7107, 30.4658

Sweetspot

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



32.1323, 24.7117, 54.1156



80.5437, 78.3219, 103.3423



26.8086, 27.3443, 54.9044



17.3641, 16.7266, 22.5633



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.



32.1323, 24.7117, 54.1156



52.9632, 37.3687, 96.8912



36.9688, 27.3510, 47.7501



10.1605, 10.0739, 12.6938



12.4775, 5.6928, 33.9978



0.6097, 0.2824, 1.4722

Inverse Universe

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



33.3769, 25.9142, 28.8353



55.8756, 40.0516, 43.6479



30.3717, 43.8479, 27.1826



10.2086, 10.1320, 11.1890



15.2829, 7.8029, 4.1356



0.6927, 0.3501, 0.3492

Previews

White Background



This preview shows how the XYZ color 32.1314, 24.7107, 54.1151 looks on a white background.

Color Contrast Check

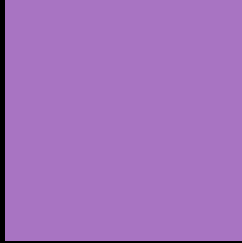
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1314, 24.7107, 54.1151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

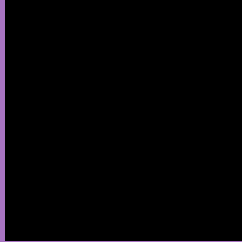
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1314, 24.7107, 54.1151

Background



This preview shows how black text looks on a background with the XYZ color 32.1314, 24.7107, 54.1151.



This preview shows how white text looks on a background with the XYZ color 32.1314, 24.7107,

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

32.1314, 24.7107, 54.1151

Protanopia

26.4641, 24.9686, 63.7462

Deuteranopia

25.4295, 24.8972, 52.1806



Tritanopia

26.6047, 24.6442, 27.3994

Trichromacy



Original Color

32.1314, 24.7107, 54.1151

Protanomaly

27.8485, 24.3637, 60.3616

Deuteranomaly

27.2765, 24.4342, 52.5689

Tritanomaly

28.2795, 24.5653, 35.5988

Monochromacy



Original Color

32.1314, 24.7107, 54.1151

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.0391, 25.2547, 36.7072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1314, 24.7107, 54.1151 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(168, 116, 194)` looks like.

```
.text, #text, p{  
    color:rgb(168, 116, 194)  
}
```

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(168, 116, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 116, 194) }
```

Border

The CSS property to change the border of an element to XYZ 32.1314, 24.7107, 54.1151 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(168, 116, 194) }
```


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

```
.border{ border-color:rgb(168, 116, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 116, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 116, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 116, 194);  
box-shadow:4px 4px 4px 4px rgb(168, 116,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1314, 24.7107, 54.1151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 116, 194) }
```

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

```
.background{ background-color: rgb(168,  
116, 194) }
```

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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