

Converting Colors

XYZ(32.8627, 24.6824, 54.3144)

Have a look what the booklet for
XYZ(32.8627, 24.6824, 54.3144)
contains.

XYZ(32.7682, 24.7003, 54.0795)	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(32.7682, 24.7003,
54.0795)**

Conversions

Conversions Part 1

Format	Color
Hex	AC72C2
RGB	172, 114, 194
RGB Percent	67%, 45%, 76%
CMY	0.3255, 0.5529, 0.2392
CMYK	0.11, 0.41, 0.00, 0.24
HSL	284°, 40%, 60%
HSV	284°, 41%, 76%
XYZ	32.7682, 24.7003, 54.0795
YIQ	140.4620, 8.8880, 37.1760

Conversions

Conversions Part 2

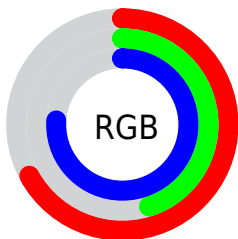
Format	Color
R _Y B	172, 114, 194
Decimal	11301570
CIE Lab	56.78, 36.88, -32.90
CIE LCh	57, 49.423, 318.264
Yxy	24.7003, 0.2938, 0.2214
Android (android.graphics.Color)	4289491650 (0xFFAC72C2)
YUV	140.4620, 26.3942, 27.6588
Hunter-Lab	49.6994, 30.7161, -29.7258

Details

The XYZ color **32.7682, 24.7003, 54.0795** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.4831, 45.0333, 22.9009**, and the grayscale version is **25.0057, 26.3080, 28.6494**.

A 20% lighter version of the original color is **63.5444, 51.2605, 97.8119**, and **14.0382, 9.4118, 25.8877** is the 20% darker color. If you saturate the color by 10%, you get **29.6603, 20.1875, 53.3726**, and if you desaturate by 10%, it is **36.3888, 30.1675, 54.9443**.

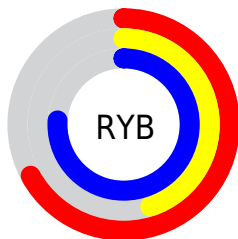
Distribution



Red (67%)

Green (45%)

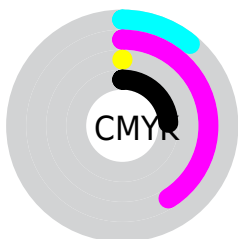
Blue (76%)



Red (67%)

Yellow (45%)

Blue (76%)

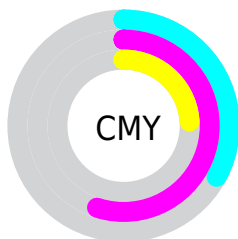


Cyan (11%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (33%)

Magenta (55%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7682, 24.7003, 54.0795 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 32.7682, 24.7003, 54.0795 by changing the saturation by 10% instead.

■ 32.7682, 24.7003,
54.0795

■ 32.7682, 24.7003,
54.0795

306.2874,
276.3421, 419.5963

■ 22.1073, 15.8539,
38.2716

■ 63.3706, 51.1706,
97.6485

■ 14.0528, 9.4208,
25.8901

■ 84.0428, 69.5633,
126.2468

■ 8.2394, 5.0167,
16.5164

■ 108.7828, 91.9069,
159.9456

■ 4.3016, 2.2571,
9.7320

■ 137.9559,
118.5858, 199.1634

■ 1.8741, 0.7508,
5.1184

171.9276,
149.9844, 244.3188

■ 0.5617, 0.0000,
2.2569

211.0632,

■ 0.0000, 0.0000,

186.4870, 295.8305

0.7069

255.7280,
228.4781, 354.1168

■ 0.0000, 0.0000,
0.0000

■ 32.7682, 24.7003,
54.0795

■ 32.7682, 24.7003,
54.0795

■ 29.6603, 20.1875,
53.3726

■ 36.3888, 30.1675,
54.9443

■ 27.0325, 16.5665,
52.8122

■ 40.5472, 36.6403,
55.9745

■ 24.8521, 13.7720,
52.3877

■ 45.2696, 44.1699,
57.1790

■ 23.0807, 11.7284,
52.0866

■ 50.5799, 52.8029,
58.5655

■ 21.6730, 10.3456,
51.8939

■ 56.5003, 62.5833,
60.1412

■ 20.6631, 9.5273,
51.7892

■ 63.0519, 73.5527,
61.9132

■ 70.2549, 85.7503,
63.8880

■ 73.4284, 89.8139,
64.5051

■ 75.0177, 90.6332,
64.5794

Harmonies

Analogous

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



27.1287, 24.7003, 69.7640



32.7682, 24.7003, 54.0795



36.1024, 24.7003, 33.8896

Triad

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



32.7682, 24.7003, 54.0795



25.8069, 24.7003, 6.2371



14.4379, 24.7003, 38.1330

Complementary

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



32.7682, 24.7003, 54.0795



32.4831, 45.0333, 22.9009

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.



14.2027, 24.7003, 20.9348



32.7682, 24.7003, 54.0795



20.1684, 24.7003, 6.5973

Square

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



32.7682, 24.7003, 54.0795



31.6650, 24.7003, 9.4681



16.1323, 24.7003, 10.8020



16.8381, 24.7003, 58.2590

Rectangle

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



32.7682, 24.7003, 54.0795



36.2582, 24.7003, 22.5807



16.1323, 24.7003, 10.8020



14.1194, 24.7003, 31.7253

Sweetspot

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



32.7691, 24.7013, 54.0800



81.1545, 78.6368, 103.3709



25.5763, 25.2701, 54.5689



17.5117, 16.8027, 22.5702



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.



32.7691, 24.7013, 54.0800



54.5026, 37.6637, 96.8670



36.1687, 26.6659, 44.6624



10.2185, 10.1038, 12.6965



13.6676, 6.3063, 34.0535



0.6541, 0.3053, 1.4743

Inverse Universe

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



32.7101, 25.2825, 26.4493



54.7153, 39.0501, 39.1943



30.3514, 43.8093, 28.4487



10.1845, 10.1224, 11.0620



15.0855, 7.7239, 3.0962



0.6820, 0.3458, 0.2926

Previews

White Background



This preview shows how the XYZ color 32.7682, 24.7003, 54.0795 looks on a white background.

Color Contrast Check

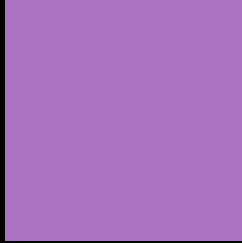
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7682, 24.7003, 54.0795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

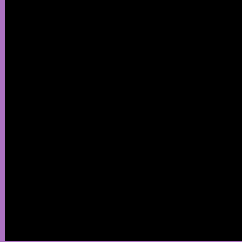
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7682, 24.7003, 54.0795

Background



This preview shows how black text looks on a background with the XYZ color 32.7682, 24.7003, 54.0795.



This preview shows how white text looks on a background with the XYZ color 32.7682, 24.7003,

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

32.7682, 24.7003, 54.0795

Protanopia

26.5896, 25.0046, 65.0530

Deuteranopia

25.5660, 24.9676, 52.1870



Tritanopia

27.1376, 24.7428, 26.6381

Trichromacy



Original Color

32.7682, 24.7003, 54.0795

Protanomaly

28.1245, 24.4921, 61.0027

Deuteranomaly

27.4746, 24.3436, 52.5409

Tritanomaly

28.7712, 24.4604, 35.1032

Monochromacy



Original Color

32.7682, 24.7003, 54.0795

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.4104, 25.4461, 36.7246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7682, 24.7003, 54.0795 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(172, 114, 194)` looks like.

```
.text, #text, p{  
    color:rgb(172, 114, 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(172, 114, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 114, 194) }
```

Border

The CSS property to change the border of an element to XYZ 32.7682, 24.7003, 54.0795 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(172, 114, 194) }
```


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

```
.border{ border-color:rgb(172, 114, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 114, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 114, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 114, 194);  
box-shadow:4px 4px 4px 4px rgb(172, 114,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7682, 24.7003, 54.0795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 114, 194) }
```

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

```
.background{ background-color: rgb(172,  
114, 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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