

Converting Colors

XYZ(32.5098, 24.4747, 44.8150)

Have a look what the booklet for
XYZ(32.5098, 24.4747, 44.8150)
contains.

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Color

**XYZ(32.5524, 24.4660,
44.6017)**

Conversions

Conversions Part 1

Format	Color
Hex	B470B1
RGB	180, 112, 177
RGB Percent	71%, 44%, 69%
CMY	0.2941, 0.5608, 0.3059
CMYK	0.00, 0.38, 0.02, 0.29
HSL	303°, 31%, 57%
HSV	303°, 38%, 71%
XYZ	32.5524, 24.4660, 44.6017
YIQ	139.7420, 19.6630, 34.6310

Conversions

Conversions Part 2

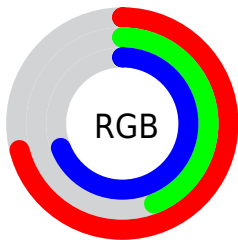
Format	Color
R_{YB}	180, 112, 177
Decimal	11825329
CIE _{Lab}	56.55, 37.10, -23.45
CIE _{LCh}	57, 43.891, 327.711
Yxy	24.4660, 0.3203, 0.2408
Android (android.graphics.Color)	4290015409 (0xFFB470B1)
YUV	139.7420, 18.3682, 35.3063
Hunter-Lab	49.4631, 30.9130, -18.8386

Details

The XYZ color **32.5524, 24.4660, 44.6017** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.0989, 37.3259, 22.0502**, and the grayscale version is **24.7537, 26.0428, 28.3606**.

A 20% lighter version of the original color is **63.0882, 50.7980, 83.5707**, and **13.9649, 9.3361, 20.1348** is the 20% darker color. If you saturate the color by 10%, you get **30.6827, 20.8524, 43.5892**, and if you desaturate by 10%, it is **34.8212, 28.8760, 45.7500**.

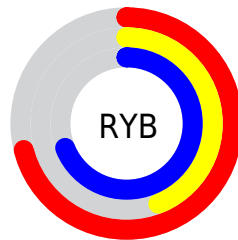
Distribution



Red (71%)

Green (44%)

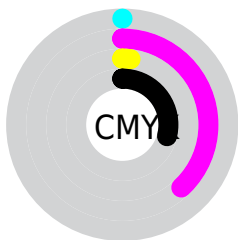
Blue (69%)



Red (71%)

Yellow (44%)

Blue (69%)

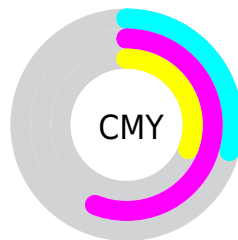


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (29%)



Cyan (29%)


Magenta (56%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5524, 24.4660, 44.6017 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 32.5524, 24.4660, 44.6017 by changing the saturation by 10% instead.

 32.5524, 24.4660,
44.6017


 32.5524, 24.4660,
44.6017


305.3288,
275.1680, 381.2710


 21.9414, 15.6797,
30.8032


 63.0354, 50.7896,
83.4345


 13.9302, 9.2978,
20.1918


 83.6382, 69.0956,
109.3058

 8.1535, 4.9359,
12.3491


 108.3022, 91.3437,
140.0385

 4.2460, 2.2097,
6.8565

 137.3928,
117.9181, 176.0511

 1.8422, 0.7253,
3.2954

171.2754,
149.2034, 217.7621

 0.5429, 0.0000,
1.2474

210.3154,

 0.0000, 0.0000,

185.5839, 265.5900

0.0181

254.8780,
227.4440, 319.9535

■ 0.0000, 0.0000,
0.0000

■ 32.5524, 24.4660,
44.6017

■ 32.5524, 24.4660,
44.6017

■ 30.6827, 20.8524,
43.5892

■ 34.8212, 28.8760,
45.7500

■ 29.1858, 17.9843,
42.7030

■ 37.5085, 34.1228,
47.0398

■ 28.0363, 15.8101,
41.9349

■ 40.6353, 40.2478,
48.4784

■ 27.2044, 14.2704,
41.2749

■ 44.2205, 47.2890,
50.0721

■ 26.6553, 13.2957,
40.7114

■ 48.2820, 55.2819,
51.8268

■ 26.3351, 12.7779,
40.2265

■ 52.8366, 64.2602,
53.7482

■ 26.2747, 12.6842,
40.1226

■ 57.9003, 74.2561,
55.8416

■ 63.1669, 84.6571,
58.0049

■ 63.2501, 84.6904,
58.4427

Harmonies

Analogous

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



28.1110, 24.4660, 59.9746



32.5524, 24.4660, 44.6017



34.4739, 24.4660, 27.7748

Triad

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



32.5524, 24.4660, 44.6017



23.6474, 24.4660, 7.2956



15.6184, 24.4660, 41.9226

Complementary

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



32.5524, 24.4660, 44.6017



26.0989, 37.3259, 22.0502

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.



14.7786, 24.4660, 25.5352



32.5524, 24.4660, 44.6017



18.9918, 24.4660, 8.7272

Square

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



32.5524, 24.4660, 44.6017



28.8865, 24.4660, 9.2702



15.9202, 24.4660, 14.2922



18.4062, 24.4660, 58.0716

Rectangle

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



32.5524, 24.4660, 44.6017



33.8840, 24.4660, 18.9866



15.9202, 24.4660, 14.2922



15.1185, 24.4660, 36.1133

Sweetspot

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



32.5532, 24.4671, 44.6022



71.6530, 69.0037, 86.9792



21.0077, 18.4802, 45.6405



15.3219, 14.5911, 18.7237



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.5532, 24.4671, 44.6022



56.2579, 39.0125, 79.3849



29.6312, 23.2983, 29.2152



8.8335, 8.6401, 10.6217



18.3445, 8.8554, 28.0380



0.5821, 0.2806, 0.9082

Inverse Universe

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



32.5532, 24.4671, 44.6022



56.2579, 39.0125, 79.3849



28.3708, 38.2347, 34.0136



8.8335, 8.6401, 10.6217



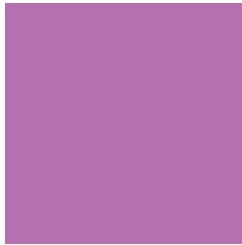
18.3445, 8.8554, 28.0380



0.5821, 0.2806, 0.9082

Previews

White Background



This preview shows how the XYZ color 32.5524, 24.4660, 44.6017 looks on a white background.

Color Contrast Check

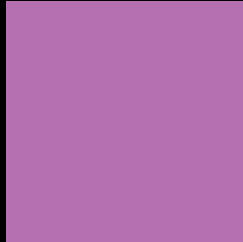
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5524, 24.4660, 44.6017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

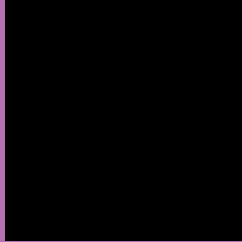
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.5524, 24.4660, 44.6017

Background



This preview shows how black text looks on a background with the XYZ color 32.5524, 24.4660, 44.6017.



This preview shows how white text looks on a background with the XYZ color 32.5524, 24.4660,

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

32.5524, 24.4660, 44.6017

Protanopia

25.5988, 24.7271, 54.4625

Deuteranopia

25.1363, 24.5380, 42.9466



Tritanopia

28.5118, 24.5564, 24.7099

Trichromacy



Original Color

32.5524, 24.4660, 44.6017

Protanomaly

27.3532, 24.1280, 50.7925

Deuteranomaly

27.1863, 24.0191, 43.2477

Tritanomaly

29.7282, 24.3251, 31.1453

Monochromacy



Original Color

32.5524, 24.4660, 44.6017

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.2500, 25.2337, 33.5714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5524, 24.4660, 44.6017 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(180, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 112, 177)  
}
```

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(180, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 32.5524, 24.4660, 44.6017 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(180, 112, 177) }
```


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

```
.border{ border-color:rgb(180, 112, 177) }
```

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

Here you see how a box with a 4 pixel rgb(180, 112, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 112, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 112, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 112,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5524, 24.4660, 44.6017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 112, 177) }
```

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

```
.background{ background-color: rgb(180,  
112, 177) }
```

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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