

Converting Colors

XYZ(24.9024, 17.1948, 67.1544)

Have a look what the booklet for
XYZ(24.9024, 17.1948, 67.1544)
contains.

XYZ(24.9132, 17.2222, 66.9769)	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>	30

Color

**XYZ(24.9132, 17.2222,
66.9769)**

Conversions

Conversions Part 1

Format	Color
Hex	7E5DD8
RGB	126, 93, 216
RGB Percent	49%, 36%, 85%
CMY	0.5059, 0.6353, 0.1529
CMYK	0.42, 0.57, 0.00, 0.15
HSL	256°, 61%, 61%
HSV	256°, 57%, 85%
XYZ	24.9132, 17.2222, 66.9769
YIQ	116.8890, -19.8150, 45.2490

Conversions

Conversions Part 2

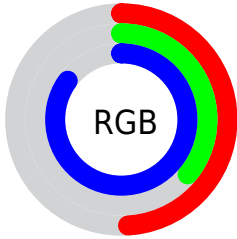
Format	Color
R _Y B	126, 93, 216
Decimal	8281560
CIE Lab	48.54, 41.80, -58.82
CIE LCh	49, 72.161, 305.402
Yxy	17.2222, 0.2283, 0.1578
Android (android.graphics.Color)	4286471640 (0xFF7E5DD8)
YUV	116.8890, 48.8617, 7.9903
Hunter-Lab	41.4996, 34.5333, -66.6393

Details

The XYZ color **24.9132, 17.2222, 66.9769** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **46.0599, 59.9694, 19.5039**, and the grayscale version is **16.7329, 17.6044, 19.1712**.

A 20% lighter version of the original color is **47.5517, 37.2338, 99.2883**, and **9.6674, 5.6438, 33.8375** is the 20% darker color. If you saturate the color by 10%, you get **21.1288, 12.8434, 66.3315**, and if you desaturate by 10%, it is **29.6026, 22.8625, 67.8188**.

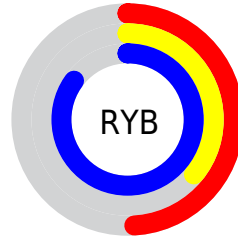
Distribution



Red (49%)

Green (36%)

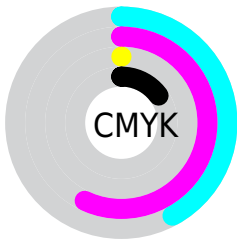
Blue (85%)



Red (49%)

Yellow (36%)

Blue (85%)

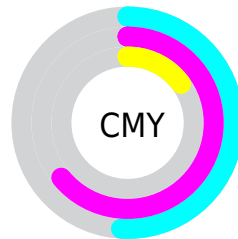


Cyan (42%)

Magenta (57%)

Yellow (0%)

Black (15%)



Cyan (51%)

Magenta (64%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9132, 17.2222, 66.9769 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 24.9132, 17.2222, 66.9769 by changing the saturation by 10% instead.

■ 24.9132, 17.2222,
66.9769

■ 24.9132, 17.2222,
66.9769

269.7610,
236.4496, 468.3618

■ 16.1408, 10.3930,
48.6044

■ 50.9603, 38.7074,
116.5276

■ 9.7153, 5.6603,
33.9424

■ 68.9657, 54.1323,
148.5429

■ 5.2714, 2.6397,
22.5723

■ 90.7794, 73.1911,
185.9429

■ 2.4438, 0.9466,
14.0757

■ 116.7669, 96.2684,
229.1461

■ 0.8670, 0.0000,
8.0340

147.2934,
123.7485, 278.5710

■ 0.0000, 0.0000,
4.0286

182.7244,

■ 0.0000, 0.0000,

156.0158, 334.6363

1.6411

223.4251,
193.4547, 397.7604

■ 0.0000, 0.0000,
0.3199

■ 0.0000, 0.0000,
0.0000

■ 24.9132, 17.2222,
66.9769

■ 24.9132, 17.2222,
66.9769

■ 21.1288, 12.8434,
66.3315

■ 29.6026, 22.8625,
67.8188

■ 18.1836, 9.6228,
65.8651

■ 35.2518, 29.8530,
68.8703

■ 16.0053, 7.4427,
65.5591

■ 41.9138, 38.2759,
70.1450

■ 14.5026, 6.1509,
65.3890

■ 49.6368, 48.2066,
71.6548

■ 14.1371, 5.8561,
65.3513

■ 58.4659, 59.7149,
73.4108

■ 68.4434, 72.8663,
75.4234

■ 79.6095, 87.7226,
77.7024

■ 88.4590, 97.2555,
79.0760

■ 89.3947, 97.7379,
79.1198

Harmonies

Analogous

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



17.5980, 17.2222, 83.5670



24.9132, 17.2222, 66.9769



30.8982, 17.2222, 38.4055

Triad

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



24.9132, 17.2222, 66.9769



22.2646, 17.2222, 1.2958



6.6804, 17.2222, 22.4006

Complementary

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



24.9132, 17.2222, 66.9769



46.0599, 59.9694, 19.5039

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.



7.3038, 17.2222, 7.2968



24.9132, 17.2222, 66.9769



15.1990, 17.2222, 0.8283

Square

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



24.9132, 17.2222, 66.9769



29.1025, 17.2222, 4.5632



10.0431, 17.2222, 1.9644



8.0267, 17.2222, 48.8206

Rectangle

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



24.9132, 17.2222, 66.9769



32.6327, 17.2222, 21.8312



10.0431, 17.2222, 1.9644



6.6719, 17.2222, 15.9770

Sweetspot

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



24.9140, 17.2228, 66.9773



72.0243, 69.8649, 104.2969



33.8840, 41.2350, 71.1394



14.9021, 14.2893, 22.2226



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.



24.9140, 17.2228, 66.9773



29.9582, 17.7934, 96.4632



36.8764, 23.3896, 67.5372



12.0521, 12.1683, 15.6510



8.4560, 3.5117, 38.6853



0.5890, 0.2525, 2.3370

Inverse Universe

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



40.7806, 25.8468, 47.6383



55.6709, 31.8119, 63.1871



34.5157, 54.0182, 18.9637



12.8042, 12.5732, 14.9091



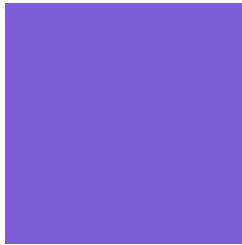
20.4641, 10.1220, 20.2801



1.2679, 0.6240, 1.4001

Previews

White Background



This preview shows how the XYZ color 24.9132, 17.2222, 66.9769 looks on a white background.

Color Contrast Check

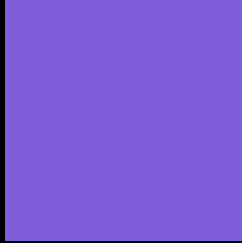
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.9132, 17.2222, 66.9769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

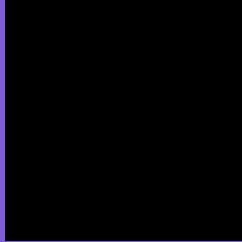
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9132, 17.2222, 66.9769

Background



This preview shows how black text looks on a background with the XYZ color 24.9132, 17.2222, 66.9769.



This preview shows how white text looks on a background with the XYZ color 24.9132, 17.2222,

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

24.9132, 17.2222, 66.9769

Protanopia

20.8768, 17.4686, 80.8687

Tritanopia

15.9529, 17.2322, 22.2240

Trichromacy



Original Color

24.9132, 17.2222, 66.9769

Protanomaly

20.5295, 16.3143, 75.4657

Tritanomaly

18.4306, 16.7390, 35.0604

Monochromacy



Original Color

24.9132, 17.2222, 66.9769

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.8581, 17.0181, 32.4279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9132, 17.2222, 66.9769 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(126, 93, 216)` looks like.

```
.text, #text, p{  
    color:rgb(126, 93, 216)  
}
```

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(126, 93, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 93, 216) }
```

Border

The CSS property to change the border of an element to XYZ 24.9132, 17.2222, 66.9769 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(126, 93, 216) }
```

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

```
.border{ border-color:rgb(126, 93, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 93, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 93, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 93, 216);  
box-shadow:4px 4px 4px 4px rgb(126, 93,  
216) }
```


Background

The CSS property to change the background color of an element to XYZ 24.9132, 17.2222, 66.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 93, 216) }
```

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

```
.background{ background-color: rgb(126, 93,  
216) }
```

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