

Converting Colors

XYZ(24.9218, 17.2744, 69.8115)

Have a look what the booklet for
XYZ(24.9218, 17.2744, 69.8115)
contains.

XYZ(24.9470, 17.3103, 69.7365)	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(24.9470, 17.3103,
69.7365)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5EDC
RGB	122, 94, 220
RGB Percent	48%, 37%, 86%
CMY	0.5216, 0.6314, 0.1373
CMYK	0.45, 0.57, 0.00, 0.14
HSL	253°, 64%, 62%
HSV	253°, 57%, 86%
XYZ	24.9470, 17.3103, 69.7365
YIQ	116.7360, -23.7580, 45.1220

Conversions

Conversions Part 2

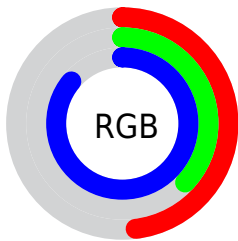
Format	Color
R _{YB}	122, 94, 220
Decimal	8019676
CIE _{Lab}	48.65, 41.47, -60.93
CIE _{LCh}	49, 73.709, 304.241
Yxy	17.3103, 0.2228, 0.1546
Android (android.graphics.Color)	4286209756 (0xFF7A5EDC)
YUV	116.7360, 50.9092, 4.6165
Hunter-Lab	41.6056, 34.2198, -70.2538

Details

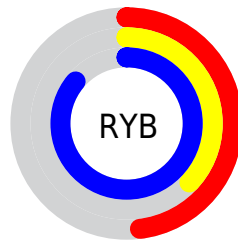
The XYZ color **24.9470, 17.3103, 69.7365** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **49.3514, 63.2010, 20.1879**, and the grayscale version is **16.6807, 17.5494, 19.1113**.

A 20% lighter version of the original color is **46.9978, 37.1741, 99.3060**, and **9.7277, 5.6911, 35.7077** is the 20% darker color. If you saturate the color by 10%, you get **21.0490, 12.7991, 69.0716**, and if you desaturate by 10%, it is **29.8305, 23.1573, 70.6081**.

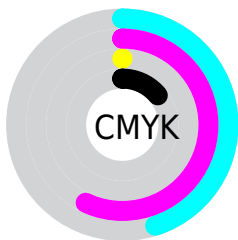
Distribution



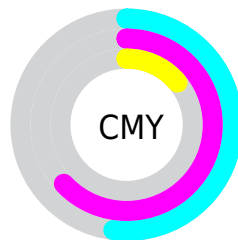
- Red (48%)
- Green (37%)
- Blue (86%)



- Red (48%)
- Yellow (37%)
- Blue (86%)



- Cyan (45%)
- Magenta (57%)
- Yellow (0%)
- Black (14%)



- Cyan (52%)
- Magenta (63%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9470, 17.3103, 69.7365 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 24.9470, 17.3103, 69.7365 by changing the saturation by 10% instead.

■ 24.9470, 17.3103,
69.7365

■ 24.9470, 17.3103,
69.7365

269.9264,
236.9543, 478.3884

■ 16.1661, 10.4560,
50.8363

■ 51.0147, 38.8585,
120.5105

■ 9.7334, 5.7023,
35.7025

■ 69.0323, 54.3212,
153.2213

■ 5.2834, 2.6649,
23.9166

■ 90.8594, 73.4221,
191.3728

■ 2.4510, 0.9594,
15.0602

■ 116.8615, 96.5457,
235.3834

■ 0.8706, 0.0000,
8.7145

147.4039,
124.0763, 285.6718

■ 0.0000, 0.0000,
4.4612

182.8519,

■ 0.0000, 0.0000,

156.3983, 342.6563

1.8816

223.5710,
193.8962, 406.7557

■ 0.0000, 0.0000,
0.4810

■ 0.0000, 0.0000,
0.0000

■ 24.9470, 17.3103,
69.7365

■ 24.9470, 17.3103,
69.7365

■ 21.0490, 12.7991,
69.0716

■ 29.8305, 23.1573,
70.6081

■ 18.0630, 9.5128,
68.5946

■ 35.7610, 30.4351,
71.7003

■ 15.9082, 7.3251,
68.2859

■ 42.7974, 39.2321,
73.0274

■ 14.4814, 6.0698,
68.1188

■ 50.9936, 49.6286,
74.6021

■ 14.1799, 5.8177,
68.0861

■ 60.3997, 61.6996,
76.4363

■ 71.0630, 75.5152,
78.5410

■ 83.0282, 91.1413,
80.9265

■ 89.9183, 97.9473,
81.8770

Harmonies

Analogous

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



17.4375, 17.3103, 86.1351



24.9470, 17.3103, 69.7365



31.2355, 17.3103, 40.2153

Triad

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



24.9470, 17.3103, 69.7365



22.8042, 17.3103, 1.2467



6.5652, 17.3103, 21.7507

Complementary

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



24.9470, 17.3103, 69.7365



49.3514, 63.2010, 20.1879

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.



7.2730, 17.3103, 6.8207



24.9470, 17.3103, 69.7365



15.5061, 17.3103, 0.7250

Square

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



24.9470, 17.3103, 69.7365



29.7783, 17.3103, 4.6661



10.1457, 17.3103, 1.7559



7.8478, 17.3103, 48.6872

Rectangle

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



24.9470, 17.3103, 69.7365



33.1619, 17.3103, 22.8544



10.1457, 17.3103, 1.7559



6.5815, 17.3103, 15.3395

Sweetspot

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



24.9478, 17.3109, 69.7369



71.4115, 69.5490, 104.2682



36.5384, 45.5548, 74.5777



14.7588, 14.2154, 22.2159



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.



24.9478, 17.3109, 69.7369



28.3418, 16.6815, 96.3338



36.7605, 23.4005, 70.2898



12.6080, 12.7560, 16.4498



8.4009, 3.4550, 39.9625



0.6189, 0.2623, 2.5925

Inverse Universe

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



43.0323, 27.0270, 52.8165



56.4208, 31.8117, 68.0616



36.7739, 56.7171, 19.5993



13.4841, 13.2227, 15.8103



21.6857, 10.6753, 23.7885



1.4361, 0.7041, 1.7053

Previews

White Background



This preview shows how the XYZ color 24.9470, 17.3103, 69.7365 looks on a white background.

Color Contrast Check

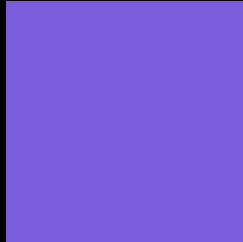
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9470, 17.3103, 69.7365 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 24.9470, 17.3103, 69.7365

Background



This preview shows how black text looks on a background with the XYZ color 24.9470, 17.3103, 69.7365.



This preview shows how white text looks on a background with the XYZ color 24.9470, 17.3103,

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

24.9470, 17.3103, 69.7365

Protanopia

20.9705, 17.4833, 82.3901

Deuteranopia

17.7409, 17.4619, 61.4669



Tritanopia

15.5301, 17.3488, 22.9522

Trichromacy



Original Color

24.9470, 17.3103, 69.7365



Protanomaly

20.5141, 16.4081, 77.6872



Deuteranomaly

18.3910, 16.2262, 64.4500



Tritanomaly

18.0724, 16.8509, 36.0182

Monochromacy



Original Color

24.9470, 17.3103, 69.7365



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

18.9091, 17.1923, 32.8937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9470, 17.3103, 69.7365 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(122, 94, 220)` looks like.

```
.text, #text, p{  
    color:rgb(122, 94, 220)  
}
```

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(122, 94, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 94, 220) }
```

Border

The CSS property to change the border of an element to XYZ 24.9470, 17.3103, 69.7365 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(122, 94, 220) }
```


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

```
.border{ border-color:rgb(122, 94, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 94, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 94, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 94, 220);  
box-shadow:4px 4px 4px 4px rgb(122, 94,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9470, 17.3103, 69.7365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 94, 220) }
```

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

```
.background{ background-color: rgb(122, 94,  
220) }
```

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