

Converting Colors

XYZ(24.7845, 14.3342, 72.8600)

Have a look what the booklet for
XYZ(24.7845, 14.3342, 72.8600)
contains.

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Color

**XYZ(24.7720, 14.3596,
72.7002)**

Conversions

Conversions Part 1

Format	Color
Hex	8145E1
RGB	129, 69, 225
RGB Percent	51%, 27%, 88%
CMY	0.4941, 0.7294, 0.1176
CMYK	0.43, 0.69, 0.00, 0.12
HSL	263°, 72%, 58%
HSV	263°, 69%, 88%
XYZ	24.7720, 14.3596, 72.7002
YIQ	104.7240, -14.3160, 61.2360

Conversions

Conversions Part 2

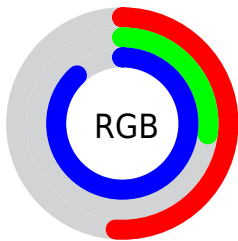
Format	Color
R _{YB}	129, 69, 225
Decimal	8472033
CIE Lab	44.74, 57.55, -70.07
CIE LCh	45, 90.680, 309.397
Yxy	14.3596, 0.2215, 0.1284
Android (android.graphics.Color)	4286662113 (0xFF8145E1)
YUV	104.7240, 59.2961, 21.2901
Hunter-Lab	37.8941, 50.3739, -87.2227

Details

The XYZ color **24.7720, 14.3596, 72.7002** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **43.5158, 62.2793, 15.3579**, and the grayscale version is **13.2012, 13.8887, 15.1248**.

A 20% lighter version of the original color is **45.6264, 31.5861, 98.2997**, and **9.5715, 4.2954, 37.3704** is the 20% darker color. If you saturate the color by 10%, you get **21.6785, 11.0852, 72.2316**, and if you desaturate by 10%, it is **28.6764, 18.8306, 73.3577**.

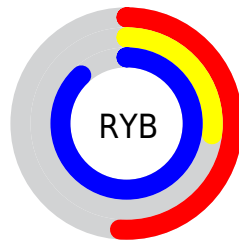
Distribution



Red (51%)

Green (27%)

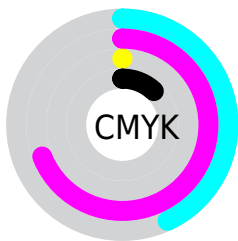
Blue (88%)



Red (51%)

Yellow (27%)

Blue (88%)

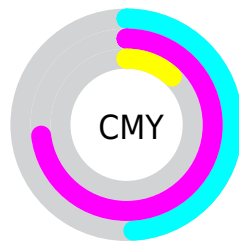


Cyan (43%)

Magenta (69%)

Yellow (0%)

Black (12%)



Cyan (49%)

Magenta (73%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7720, 14.3596, 72.7002 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 24.7720, 14.3596, 72.7002 by changing the saturation by 10% instead.

■ 24.7720, 14.3596,
72.7002

■ 24.7720, 14.3596,
72.7002

269.0692,
219.4566, 489.0180

■ 16.0351, 8.3712,
53.2405

■ 50.7327, 33.7257,
124.7685

■ 9.6400, 4.3334,
37.6058

■ 68.6871, 47.8723,
158.2142

■ 5.2213, 1.8617,
25.3774

■ 90.4448, 65.5069,
197.1589

■ 2.4138, 0.5252,
16.1369

■ 116.3711, 87.0142,
242.0213

■ 0.8520, 0.0000,
9.4657

■ 146.8313,
112.7784, 293.2199

■ 0.0000, 0.0000,
4.9452

182.1909,

■ 0.0000, 0.0000,

143.1839, 351.1732

2.1570

222.8150,
178.6152, 416.2997

■ 0.0000, 0.0000,
0.6494

■ 0.0000, 0.0000,
0.0000

■ 24.7720, 14.3596,
72.7002

■ 24.7720, 14.3596,
72.7002

■ 21.6785, 11.0852,
72.2316

■ 28.6764, 18.8306,
73.3577

■ 19.3193, 8.8744,
71.9292

■ 33.4534, 24.6085,
74.2212

■ 17.5812, 7.5177,
71.7589

■ 39.1603, 31.7924,
75.3071

■ 17.4787, 7.4406,
71.7494

■ 45.8489, 40.4710,
76.6297

■ 53.5666, 50.7254,
78.2022

■ 62.3576, 62.6310,
80.0369

■ 72.2635, 76.2582,
82.1451

■ 83.3235, 91.6731,
84.5375

■ 90.0829, 97.9545,
85.3937

Harmonies

Analogous

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



16.0971, 14.3596, 99.6732



24.7720, 14.3596, 72.7002



31.6900, 14.3596, 34.7224

Triad

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



24.7720, 14.3596, 72.7002



19.2712, 14.3596, 0.0000



3.8939, 14.3596, 23.2477

Complementary

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



24.7720, 14.3596, 72.7002



43.5158, 62.2793, 15.3579

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.



4.2128, 14.3596, 5.2561



24.7720, 14.3596, 72.7002



11.4615, 14.3596, 0.0000

Square

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



24.7720, 14.3596, 72.7002



27.8011, 14.3596, 1.4292



6.4815, 14.3596, 0.4944



5.3613, 14.3596, 58.1709

Rectangle

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



24.7720, 14.3596, 72.7002



33.3057, 14.3596, 16.0664



6.4815, 14.3596, 0.4944



3.8123, 14.3596, 15.2117

Sweetspot

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



24.7727, 14.3600, 72.7006



69.1805, 64.7405, 103.4577



29.5363, 33.6841, 76.1794



14.1826, 13.0238, 22.0163



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.



24.7727, 14.3600, 72.7006



27.3490, 13.3152, 95.7364



41.3952, 22.9292, 73.4785



13.4480, 13.4990, 17.2845



10.1930, 4.3500, 41.3508



0.8043, 0.3519, 2.8708

Inverse Universe

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



39.9708, 22.9804, 37.9246



49.7168, 26.0534, 42.2440



31.9487, 56.3162, 14.8166



14.0599, 13.8416, 16.0858



20.6145, 10.3128, 15.1676



1.4722, 0.7322, 1.2796

Previews

White Background



This preview shows how the XYZ color 24.7720, 14.3596, 72.7002 looks on a white background.

Color Contrast Check

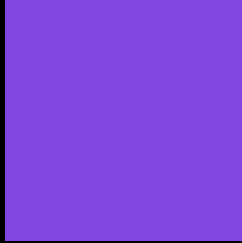
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7720, 14.3596, 72.7002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

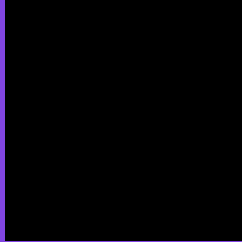
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7720, 14.3596, 72.7002

Background



This preview shows how black text looks on a background with the XYZ color 24.7720, 14.3596, 72.7002.



This preview shows how white text looks on a background with the XYZ color 24.7720, 14.3596,

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

24.7720, 14.3596, 72.7002

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.3322, 14.3130, 49.0210



Tritanopia

13.7848, 14.4065, 17.9738

Trichromacy



Original Color

24.7720, 14.3596, 72.7002

Protanomaly

17.6146, 13.0311, 68.6047

Deuteranomaly

15.7176, 12.8268, 56.9058

Tritanomaly

16.4292, 13.6065, 32.3323

Monochromacy



Original Color

24.7720, 14.3596, 72.7002

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.1914, 13.4016, 30.1672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7720, 14.3596, 72.7002 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(129, 69, 225)` looks like.

```
.text, #text, p{  
    color:rgb(129, 69, 225)  
}
```

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(129, 69, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 69, 225) }
```

Border

The CSS property to change the border of an element to XYZ 24.7720, 14.3596, 72.7002 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(129, 69, 225) }
```


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

```
.border{ border-color:rgb(129, 69, 225) }
```

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

Here you see how a box with a 4 pixel rgb(129, 69, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 69, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 69, 225);  
box-shadow:4px 4px 4px 4px rgb(129, 69,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7720, 14.3596, 72.7002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 69, 225) }
```

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

```
.background{ background-color: rgb(129, 69,  
225) }
```

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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