

Converting Colors

XYZ(24.4637, 14.2214, 75.0143)

Have a look what the booklet for
XYZ(24.4637, 14.2214, 75.0143)
contains.

XYZ(24.5059, 14.2668, 74.8610)	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(24.5059, 14.2668,
74.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	7C46E4
RGB	124, 70, 228
RGB Percent	49%, 27%, 89%
CMY	0.5137, 0.7255, 0.1059
CMYK	0.46, 0.69, 0.00, 0.11
HSL	261°, 75%, 58%
HSV	261°, 69%, 89%
XYZ	24.5059, 14.2668, 74.8610
YIQ	104.1580, -18.5340, 60.5860

Conversions

Conversions Part 2

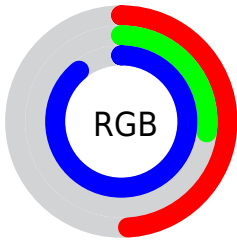
Format	Color
R_{YB}	124, 70, 228
Decimal	8144612
CIE _{Lab}	44.61, 56.97, -72.02
CIE _{LCh}	45, 91.825, 308.347
Yxy	14.2668, 0.2157, 0.1256
Android (android.graphics.Color)	4286334692 (0xFF7C46E4)
YUV	104.1580, 61.0541, 17.4014
Hunter-Lab	37.7714, 49.7099, -91.0697

Details

The XYZ color **24.5059, 14.2668, 74.8610** 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 **46.3037, 64.9275, 15.8862**, and the grayscale version is **13.0462, 13.7256, 14.9472**.

A 20% lighter version of the original color is **44.7767, 31.3294, 98.2949**, and **9.4460, 4.2740, 38.8552** is the 20% darker color. If you saturate the color by 10%, you get **21.3346, 10.9016, 74.3789**, and if you desaturate by 10%, it is **28.5499, 18.8851, 75.5396**.

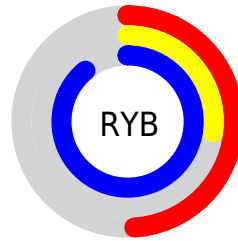
Distribution



Red (49%)

Green (27%)

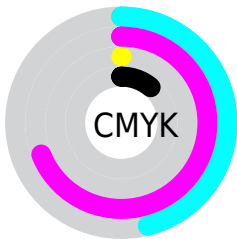
Blue (89%)



Red (49%)

Yellow (27%)

Blue (89%)

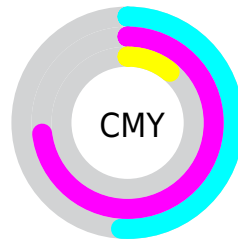


Cyan (46%)

Magenta (69%)

Yellow (0%)

Black (11%)



Cyan (51%)

Magenta (73%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5059, 14.2668, 74.8610 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 24.5059, 14.2668, 74.8610 by changing the saturation by 10% instead.

■ 24.5059, 14.2668,
74.8610

■ 24.5059, 14.2668,
74.8610

267.7615,
218.8843, 496.6823

■ 15.8361, 8.3065,
54.9980

■ 50.3032, 33.5617,
127.8609

■ 9.4983, 4.2917,
39.0015

■ 68.1614, 47.6650,
161.8348

■ 5.1273, 1.8380,
26.4531

■ 89.8131, 65.2515,
201.3494

■ 2.3577, 0.5107,
16.9341

■ 115.6236, 86.7054,
246.8233

■ 0.8239, 0.0000,
10.0260

■ 145.9584,
112.4113, 298.6750

■ 0.0000, 0.0000,
5.3104

181.1827,

■ 0.0000, 0.0000,

142.7535, 357.3231

2.3686

221.6620,
178.1164, 423.1860

■ 0.0000, 0.0000,
0.7693

■ 0.0000, 0.0000,
0.0000

■ 24.5059, 14.2668,
74.8610

■ 24.5059, 14.2668,
74.8610

■ 21.3346, 10.9016,
74.3789

■ 28.5499, 18.8851,
75.5396

■ 18.9537, 8.6505,
74.0699

■ 33.5330, 24.8721,
76.4326

■ 17.2441, 7.2978,
73.8989

■ 39.5174, 32.3313,
77.5570

■ 17.1398, 7.2182,
73.8891

■ 46.5585, 41.3557,
78.9277

■ 54.7079, 52.0301,
80.5586

■ 64.0133, 64.4336,
82.4622

■ 74.5196, 78.6398,
84.6506

■ 86.2693, 94.7181,
87.1347

■ 91.0037, 98.3815,
87.5923

Harmonies

Analogous

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



15.7436, 14.2668, 101.4758



24.5059, 14.2668, 74.8610



31.6628, 14.2668, 36.0707

Triad

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



24.5059, 14.2668, 74.8610



19.5494, 14.2668, 0.0000



3.7629, 14.2668, 22.2693

Complementary

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



24.5059, 14.2668, 74.8610



46.3037, 64.9275, 15.8862

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.



4.1396, 14.2668, 4.7943



24.5059, 14.2668, 74.8610



11.5886, 14.2668, 0.0000

Square

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



24.5059, 14.2668, 74.8610



28.1482, 14.2668, 1.4618



6.4831, 14.2668, 0.3429



5.1538, 14.2668, 57.3057

Rectangle

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



24.5059, 14.2668, 74.8610



33.4610, 14.2668, 16.7451



6.4831, 14.2668, 0.3429



3.7013, 14.2668, 14.3829

Sweetspot

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



24.5067, 14.2672, 74.8614



68.4823, 64.3806, 103.4250



31.9245, 37.6936, 78.9922



14.0180, 12.9390, 22.0086



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.



24.5067, 14.2672, 74.8614



26.0882, 12.6652, 95.6774



40.4610, 22.4920, 75.6080



14.0449, 14.1254, 18.1306



10.0113, 4.2269, 42.6714



0.8365, 0.3622, 3.1578

Inverse Universe

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



41.8249, 23.9302, 42.4570



50.6284, 26.4180, 47.0443



33.7081, 58.4342, 15.2967



14.7748, 14.5271, 17.0146



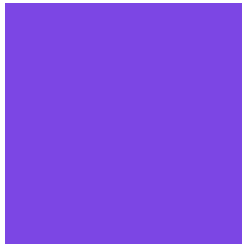
21.7148, 10.8201, 17.9247



1.6478, 0.8168, 1.5517

Previews

White Background



This preview shows how the XYZ color 24.5059, 14.2668, 74.8610 looks on a white background.

Color Contrast Check

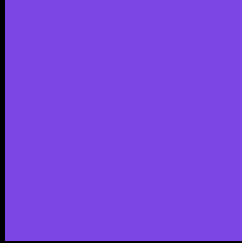
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5059, 14.2668, 74.8610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

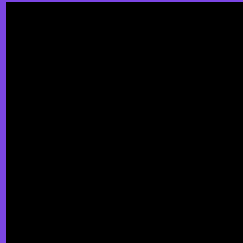
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5059, 14.2668, 74.8610

Background



This preview shows how black text looks on a background with the XYZ color 24.5059, 14.2668, 74.8610.



This preview shows how white text looks on a background with the XYZ color 24.5059, 14.2668,

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

24.5059, 14.2668, 74.8610

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.2255, 14.2703, 48.4591



Tritanopia

13.0715, 14.1861, 18.2689

Trichromacy



Original Color

24.5059, 14.2668, 74.8610



Protanomaly

17.6566, 13.0375, 69.2960



Deuteranomaly

15.6275, 12.7803, 56.9015



Tritanomaly

15.9473, 13.4699, 33.2119

Monochromacy



Original Color

24.5059, 14.2668, 74.8610



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

15.8075, 13.2037, 30.1492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5059, 14.2668, 74.8610 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(124, 70, 228)` looks like.

```
.text, #text, p{  
    color:rgb(124, 70, 228)  
}
```

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(124, 70, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 70, 228) }
```

Border

The CSS property to change the border of an element to XYZ 24.5059, 14.2668, 74.8610 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(124, 70, 228) }
```


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

```
.border{ border-color:rgb(124, 70, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 70, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 70, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 70, 228);  
box-shadow:4px 4px 4px 4px rgb(124, 70,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5059, 14.2668, 74.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 70, 228) }
```

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

```
.background{ background-color: rgb(124, 70,  
228) }
```

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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