

Converting Colors

XYZ(24.5501, 18.6059, 75.3039)

Have a look what the booklet for
XYZ(24.5501, 18.6059, 75.3039)
contains.

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Color

**XYZ(24.3962, 18.4740,
74.9531)**

Conversions

Conversions Part 1

Format	Color
Hex	6669E3
RGB	102, 105, 227
RGB Percent	40%, 41%, 89%
CMY	0.6000, 0.5882, 0.1098
CMYK	0.55, 0.54, 0.00, 0.11
HSL	239°, 69%, 65%
HSV	239°, 55%, 89%
XYZ	24.3962, 18.4740, 74.9531
YIQ	118.0110, -40.9500, 37.3060

Conversions

Conversions Part 2

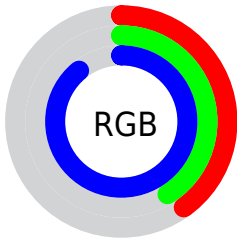
Format	Color
RYB	102, 105, 227
Decimal	6711779
CIELab	50.07, 32.99, -62.69
CIELCh	50, 70.838, 297.758
Yxy	18.4740, 0.2071, 0.1568
Android (android.graphics.Color)	4284901859 (0xFF6669E3)
YUV	118.0110, 53.7316, -14.0416
Hunter-Lab	42.9814, 26.0990, -73.3059

Details

The XYZ color **24.3962, 18.4740, 74.9531** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **60.7345, 70.6048, 22.9990**, and the grayscale version is **17.0706, 17.9595, 19.5579**.

A 20% lighter version of the original color is **44.6364, 38.5740, 99.7007**, and **9.4909, 6.2897, 39.2419** is the 20% darker color. If you saturate the color by 10%, you get **20.1966, 13.3843, 74.1925**, and if you desaturate by 10%, it is **29.8895, 25.1033, 75.9436**.

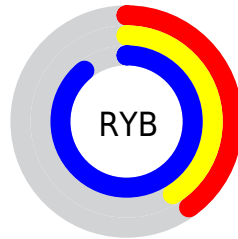
Distribution



Red (40%)

Green (41%)

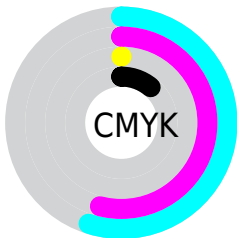
Blue (89%)



Red (40%)

Yellow (41%)

Blue (89%)

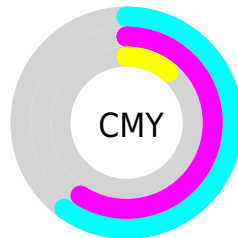


Cyan (55%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (60%)

Magenta (59%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3962, 18.4740, 74.9531 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 24.3962, 18.4740, 74.9531 by changing the saturation by 10% instead.

■ 24.3962, 18.4740,
74.9531

■ 24.3962, 18.4740,
74.9531

267.2209,
243.5293, 497.0075

■ 15.7541, 11.2908,
55.0730

■ 50.1260, 40.8434,
127.9925

■ 9.4401, 6.2628,
39.0612

■ 67.9443, 56.7984,
161.9888

■ 5.0887, 3.0055,
26.4991

■ 89.5522, 76.4461,
201.5275

■ 2.3347, 1.1346,
16.9683

■ 115.3148,
100.1709, 247.0273

■ 0.8123, 0.0073,
10.0502

145.5977,
128.3573, 298.9067

■ 0.0000, 0.0000,
5.3262

180.7661,

■ 0.0000, 0.0000,

161.3895, 357.5841

2.3778

221.1854,
199.6521, 423.4782

■ 0.0000, 0.0000,
0.7743

■ 0.0000, 0.0000,
0.0000

■ 24.3962, 18.4740,
74.9531

■ 24.3962, 18.4740,
74.9531

■ 20.1966, 13.3843,
74.1925

■ 29.8895, 25.1033,
75.9436

■ 17.1823, 9.7087,
73.6419

■ 36.7679, 33.3809,
77.1788

■ 15.2321, 7.3051,
73.2807

■ 45.1175, 43.4075,
78.6740

■ 14.1969, 6.0005,
73.0835

■ 55.0167, 55.2752,
80.4430

■ 13.9243, 5.6642,
73.0329

■ 66.5384, 69.0699,
82.4984

■ 79.7509, 84.8719,
84.8521

■ 90.8652, 98.3261,
86.8632

Harmonies

Analogous

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



17.0513, 18.4740, 85.7438



24.3962, 18.4740, 74.9531



31.1375, 18.4740, 47.5134

Triad

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



24.3962, 18.4740, 74.9531



25.5186, 18.4740, 2.1422



7.4503, 18.4740, 18.6823

Complementary

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



24.3962, 18.4740, 74.9531



60.7345, 70.6048, 22.9990

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.



8.6442, 18.4740, 6.0018



24.3962, 18.4740, 74.9531



18.0766, 18.4740, 1.0915

Square

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



24.3962, 18.4740, 74.9531



31.8946, 18.4740, 7.2105



12.1359, 18.4740, 1.8290



8.3285, 18.4740, 43.1443

Rectangle

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



24.3962, 18.4740, 74.9531



33.7300, 18.4740, 29.1681



12.1359, 18.4740, 1.8290



7.6141, 18.4740, 13.1607

Sweetspot

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



24.3971, 18.4746, 74.9536



68.8166, 68.5971, 104.2213



46.2464, 63.0824, 79.4335



14.1546, 13.9934, 22.2049



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.



24.3971, 18.4746, 74.9536



25.6708, 16.6684, 96.4721



33.1818, 22.5584, 75.2788



13.6104, 13.9422, 18.1181



8.1326, 3.3273, 42.5968



0.6108, 0.2655, 3.1510

Inverse Universe

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



38.9806, 26.8549, 16.4939



46.5008, 28.7786, 12.9411



46.1593, 64.2965, 22.5495



14.3909, 14.3736, 14.9931



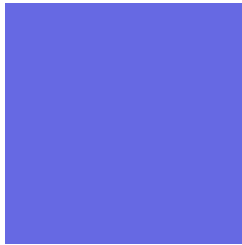
18.4985, 9.5336, 0.9880



1.3719, 0.7065, 0.0991

Previews

White Background



This preview shows how the XYZ color 24.3962, 18.4740, 74.9531 looks on a white background.

Color Contrast Check

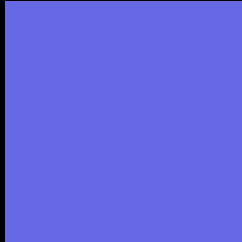
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3962, 18.4740, 74.9531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

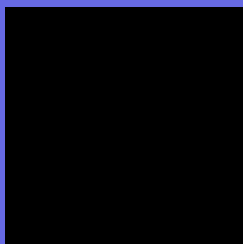
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3962, 18.4740, 74.9531

Background



This preview shows how black text looks on a background with the XYZ color 24.3962, 18.4740, 74.9531.



This preview shows how white text looks on a background with the XYZ color 24.3962, 18.4740,

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

24.3962, 18.4740, 74.9531

Protanopia

22.0309, 18.5241, 82.5351

Deuteranopia

18.8476, 18.4788, 65.5242



Tritanopia

14.8324, 18.5754, 26.8484

Trichromacy



Original Color

24.3962, 18.4740, 74.9531

Protanomaly

22.2559, 18.2127, 79.4332

Deuteranomaly

19.5486, 17.7167, 68.7190

Tritanomaly

17.4518, 18.1291, 40.6097

Monochromacy



Original Color

24.3962, 18.4740, 74.9531

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.7588, 17.7236, 34.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3962, 18.4740, 74.9531 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(102, 105, 227)` looks like.

```
.text, #text, p{  
    color:rgb(102, 105, 227)  
}
```

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(102, 105, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 105, 227) }
```

Border

The CSS property to change the border of an element to XYZ 24.3962, 18.4740, 74.9531 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(102, 105, 227) }
```


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

```
.border{ border-color:rgb(102, 105, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 105, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 105, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 105, 227);  
box-shadow:4px 4px 4px 4px rgb(102, 105,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3962, 18.4740, 74.9531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 105, 227) }
```

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

```
.background{ background-color: rgb(102,  
105, 227) }
```

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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