

Converting Colors

XYZ(25.3198, 18.2420, 74.4573)

Have a look what the booklet for
XYZ(25.3198, 18.2420, 74.4573)
contains.

XYZ(25.2241, 18.1827, 74.1317)	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(25.2241, 18.1827,
74.1317)**

Conversions

Conversions Part 1

Format	Color
Hex	7264E2
RGB	114, 100, 226
RGB Percent	45%, 39%, 89%
CMY	0.5529, 0.6078, 0.1137
CMYK	0.50, 0.56, 0.00, 0.11
HSL	247°, 68%, 64%
HSV	247°, 56%, 89%
XYZ	25.2241, 18.1827, 74.1317
YIQ	118.5500, -32.1020, 42.1540

Conversions

Conversions Part 2

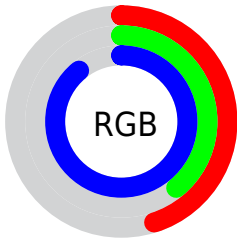
Format	Color
R_{YB}	114, 100, 226
Decimal	7496930
CIE _{Lab}	49.72, 38.05, -62.64
CIE _{LCh}	50, 73.292, 301.277
Yxy	18.1827, 0.2146, 0.1547
Android (android.graphics.Color)	4285687010 (0xFF7264E2)
YUV	118.5500, 52.9729, -3.9903
Hunter-Lab	42.6412, 30.9684, -73.2269

Details

The XYZ color **25.2241, 18.1827, 74.1317** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **56.6469, 69.3096, 22.4492**, and the grayscale version is **17.2391, 18.1369, 19.7511**.

A 20% lighter version of the original color is **46.1299, 38.1239, 99.5351**, and **9.9450, 6.1785, 38.6986** is the 20% darker color. If you saturate the color by 10%, you get **21.0172, 13.2303, 73.3979**, and if you desaturate by 10%, it is **30.6075, 24.6341, 75.0936**.

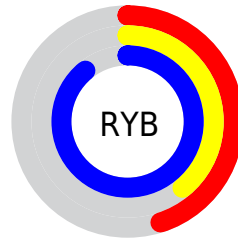
Distribution



Red (45%)

Green (39%)

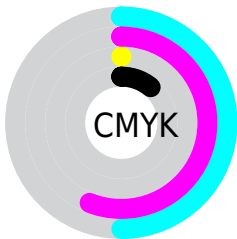
Blue (89%)



Red (45%)

Yellow (39%)

Blue (89%)

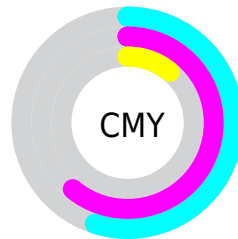


Cyan (50%)

Magenta (56%)

Yellow (0%)

Black (11%)



Cyan (55%)

Magenta (61%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2241, 18.1827, 74.1317 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 25.2241, 18.1827, 74.1317 by changing the saturation by 10% instead.

■ 25.2241, 18.1827,
74.1317

■ 25.2241, 18.1827,
74.1317

271.2792,
241.8988, 494.1033

■ 16.3737, 11.0812,
54.4044

■ 51.4608, 40.3484,
126.8182

■ 9.8815, 6.1215,
38.5297

■ 69.5779, 56.1814,
160.6146

■ 5.3821, 2.9191,
26.0890

■ 91.5145, 75.6937,
199.9377

■ 2.5102, 1.0896,
16.6639

■ 117.6361, 99.2698,
245.2060

■ 0.9004, 0.0000,
9.8357

148.3081,
127.2939, 296.8383

■ 0.0000, 0.0000,
5.1860

183.8956,

■ 0.0000, 0.0000,

160.1505, 355.2529

2.2962

224.7643,
198.2240, 420.8684

■ 0.0000, 0.0000,
0.7291

■ 0.0000, 0.0000,
0.0000

■ 25.2241, 18.1827,
74.1317

■ 25.2241, 18.1827,
74.1317

■ 21.0172, 13.2303,
73.3979

■ 30.6075, 24.6341,
75.0936

■ 17.8952, 9.6536,
72.8721

■ 37.2447, 32.6911,
76.2990

■ 15.7570, 7.3120,
72.5328

■ 45.2092, 42.4525,
77.7633

■ 14.4801, 6.0336,
72.3534

■ 54.5681, 54.0086,
79.5006

■ 14.1314, 5.6992,
72.3072

■ 65.3839, 67.4433,
81.5237

■ 77.7155, 82.8354,
83.8447

■ 90.5886, 98.1994,
86.1318

■ 90.7276, 98.2710,
86.1383

Harmonies

Analogous

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



17.5827, 18.1827, 88.4007



25.2241, 18.1827, 74.1317



31.9174, 18.1827, 44.5957

Triad

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



25.2241, 18.1827, 74.1317



24.5639, 18.1827, 1.6044



7.0408, 18.1827, 20.6662

Complementary

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



25.2241, 18.1827, 74.1317



56.6469, 69.3096, 22.4492

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.



7.9854, 18.1827, 6.4793



25.2241, 18.1827, 74.1317



16.9850, 18.1827, 0.8701

Square

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



25.2241, 18.1827, 74.1317



31.4696, 18.1827, 5.8005



11.2112, 18.1827, 1.7701



8.1654, 18.1827, 47.1920

Rectangle

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



25.2241, 18.1827, 74.1317



34.2219, 18.1827, 26.2150



11.2112, 18.1827, 1.7701



7.1245, 18.1827, 14.5240

Sweetspot

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



25.2249, 18.1833, 74.1322



69.9636, 68.8025, 104.2005



42.8783, 55.9907, 80.4993



14.4211, 14.0414, 22.2001



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.



25.2249, 18.1833, 74.1322



26.8416, 16.4758, 96.3732



36.0991, 23.7891, 74.6411



13.0928, 13.3159, 17.2678



8.1111, 3.2767, 41.2533



0.6102, 0.2519, 2.8617

Inverse Universe

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



47.8046, 30.0366, 65.5625



59.5637, 33.6807, 82.7261



42.1483, 61.8353, 21.7707



14.2260, 13.9080, 16.9601



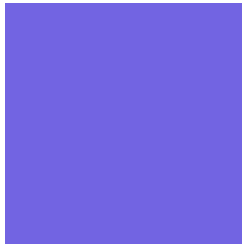
23.9273, 11.6379, 32.6125



1.6775, 0.8143, 2.3605

Previews

White Background



This preview shows how the XYZ color 25.2241, 18.1827, 74.1317 looks on a white background.

Color Contrast Check

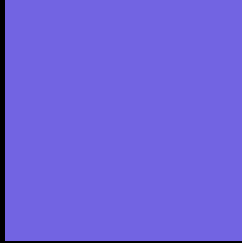
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2241, 18.1827, 74.1317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

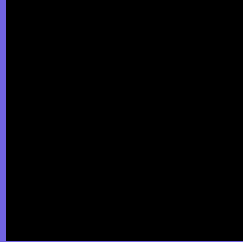
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.2241, 18.1827, 74.1317

Background



This preview shows how black text looks on a background with the XYZ color 25.2241, 18.1827, 74.1317.



This preview shows how white text looks on a background with the XYZ color 25.2241, 18.1827,

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

25.2241, 18.1827, 74.1317

Protanopia

22.1082, 18.4957, 85.6239

Deuteranopia

18.4743, 18.1361, 64.1549



Tritanopia

15.4412, 18.1628, 25.2462

Trichromacy



Original Color

25.2241, 18.1827, 74.1317



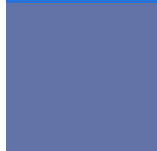
Protanomaly

22.0251, 17.7235, 81.6170



Deuteranomaly

19.2142, 17.2395, 67.2806



Tritanomaly

18.0355, 17.5929, 39.0044

Monochromacy



Original Color

25.2241, 18.1827, 74.1317



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

19.3018, 17.8389, 34.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2241, 18.1827, 74.1317 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(114, 100, 226)` looks like.

```
.text, #text, p{  
    color:rgb(114, 100, 226)  
}
```

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(114, 100, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 100, 226) }
```

Border

The CSS property to change the border of an element to XYZ 25.2241, 18.1827, 74.1317 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(114, 100, 226) }
```


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

```
.border{ border-color:rgb(114, 100, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 100, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 100, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 100, 226);  
box-shadow:4px 4px 4px 4px rgb(114, 100,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2241, 18.1827, 74.1317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 100, 226) }
```

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

```
.background{ background-color: rgb(114,  
100, 226) }
```

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