

Converting Colors

XYZ(18.5459, 14.3690, 74.4701)

Have a look what the booklet for
XYZ(18.5459, 14.3690, 74.4701)
contains.

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Color

**XYZ(18.4932, 14.2776,
74.4542)**

Conversions

Conversions Part 1

Format	Color
Hex	1761E3
RGB	23, 97, 227
RGB Percent	9%, 38%, 89%
CMY	0.9097, 0.6196, 0.1098
CMYK	0.90, 0.57, 0.00, 0.11
HSL	218°, 82%, 49%
HSV	218°, 90%, 89%
XYZ	18.4932, 14.2776, 74.4542
YIQ	89.6940, -85.8340, 24.7420

Conversions

Conversions Part 2

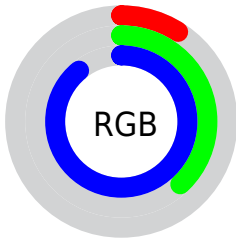
Format	Color
R_{YB}	23, 77, 227
Decimal	1532387
CIE Lab	44.63, 28.40, -71.67
CIE LCh	45, 77.091, 291.618
Yxy	14.2776, 0.1725, 0.1332
Android (android.graphics.Color)	4279722467 (0xFF1761E3)
YUV	89.6940, 67.6919, -58.4906
Hunter-Lab	37.7857, 21.2370, -90.3770

Details

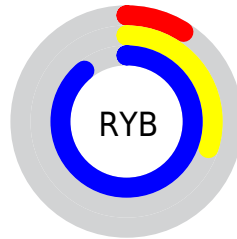
The XYZ color **18.4932, 14.2776, 74.4542** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **43.2306, 39.1868, 6.0977**, and the grayscale version is **9.5197, 10.0154, 10.9068**.

A 20% lighter version of the original color is **35.0393, 31.4669, 98.8347**, and **8.4837, 5.3583, 38.6173** is the 20% darker color. If you saturate the color by 10%, you get **16.9269, 11.6633, 74.0325**, and if you desaturate by 10%, it is **20.7156, 17.5920, 74.9772**.

Distribution



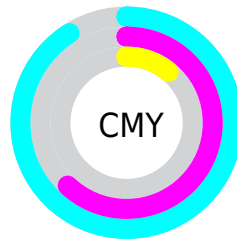
- Red (9%)
- Green (38%)
- Blue (89%)



- Red (9%)
- Yellow (30%)
- Blue (89%)



- Cyan (90%)
- Magenta (57%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (62%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4932, 14.2776, 74.4542 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 18.4932, 14.2776, 74.4542 by changing the saturation by 10% instead.

■ 18.4932, 14.2776,
74.4542

■ 18.4932, 14.2776,
74.4542

236.6287,
218.9510, 495.2448

■ 11.4065, 8.3140,
54.6668

■ 40.3995, 33.5808,
127.2794

■ 6.4102, 4.2965,
38.7382

■ 55.9498, 47.6891,
161.1544

■ 3.1391, 1.8408,
26.2499

■ 75.0519, 65.2812,
200.5623

■ 1.2278, 0.5124,
16.7832

■ 98.0713, 86.7414,
245.9217

■ 0.1281, 0.0000,
9.9197

■ 125.3734,
112.4541, 297.6510

■ 0.0000, 0.0000,
5.2409

157.3234,

■ 0.0000, 0.0000,

142.8036, 356.1690

2.3281

194.2867,
178.1745, 421.8941

■ 0.0000, 0.0000,
0.7469

■ 0.0000, 0.0000,
0.0000

■ 18.4932, 14.2776,
74.4542

■ 18.4932, 14.2776,
74.4542

■ 16.9269, 11.6633,
74.0325

■ 20.7156, 17.5920,
74.9772

■ 16.9066, 11.6289,
74.0270

■ 23.7321, 21.6960,
75.6104

■ 27.6300, 26.6515,
76.3614

■ 32.4831, 32.5125,
77.2369

■ 38.3568, 39.3279,
78.2429

■ 45.3104, 47.1424,
79.3847

■ 53.3984, 55.9979,
80.6677

■ 62.6713, 65.9335,
82.0967

■ 73.1766, 76.9861,
83.6764

Harmonies

Analogous

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



11.8939, 14.2776, 80.4375



18.4932, 14.2776, 74.4542



25.3294, 14.2776, 48.1733

Triad

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



18.4932, 14.2776, 74.4542



22.4765, 14.2776, 1.1674



4.8193, 14.2776, 11.0517

Complementary

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



18.4932, 14.2776, 74.4542



43.2306, 39.1868, 6.0977

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.



6.1654, 14.2776, 2.4765



18.4932, 14.2776, 74.4542



15.3975, 14.2776, 0.0474

Square

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



18.4932, 14.2776, 74.4542



28.0771, 14.2776, 6.0055



9.6094, 14.2776, 0.3689



5.1876, 14.2776, 31.9719

Rectangle

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



18.4932, 14.2776, 74.4542



28.4554, 14.2776, 29.1105



9.6094, 14.2776, 0.3689



5.0664, 14.2776, 7.0264

Sweetspot

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



18.4940, 14.2779, 74.4546



61.6596, 64.3249, 103.7739



33.5083, 57.3950, 39.1094



12.4679, 12.9611, 22.0946



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.



18.4940, 14.2779, 74.4546



21.9182, 14.9564, 96.3394



15.4990, 6.8442, 73.1776



14.0086, 14.7385, 18.2508



9.9611, 6.9842, 43.2063



0.8219, 0.6878, 3.2214

Inverse Universe

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



34.1434, 17.8082, 12.9469



43.1925, 22.0410, 12.2117



51.3916, 67.2530, 11.0849



14.5919, 14.4539, 16.0514



19.4214, 9.9028, 5.8480



1.4785, 0.7491, 0.6604

Previews

White Background



This preview shows how the XYZ color 18.4932, 14.2776, 74.4542 looks on a white background.

Color Contrast Check

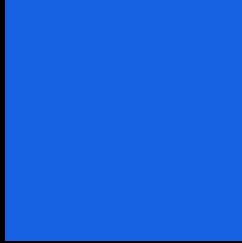
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4932, 14.2776, 74.4542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

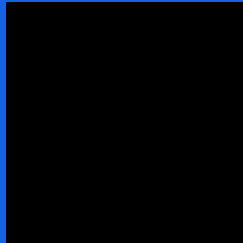
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4932, 14.2776, 74.4542

Background



This preview shows how black text looks on a background with the XYZ color 18.4932, 14.2776, 74.4542.



This preview shows how white text looks on a background with the XYZ color 18.4932, 14.2776,

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

18.4932, 14.2776, 74.4542

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.0143, 14.1858, 47.3469



Tritanopia

9.9994, 14.1778, 21.2784

Trichromacy



Original Color

18.4932, 14.2776, 74.4542

Protanomaly

17.4435, 14.2804, 68.8549

Deuteranomaly

15.4758, 14.1224, 56.5538

Tritanomaly

12.1091, 13.7767, 35.7392

Monochromacy



Original Color

18.4932, 14.2776, 74.4542

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.8947, 10.8804, 26.3369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4932, 14.2776, 74.4542 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(23, 97, 227)` looks like.

```
.text, #text, p{  
    color:rgb(23, 97, 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(23, 97, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 97, 227) }
```

Border

The CSS property to change the border of an element to XYZ 18.4932, 14.2776, 74.4542 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(23, 97, 227) }
```


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

```
.border{ border-color:rgb(23, 97, 227) }
```

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

Here you see how a box with a 4 pixel rgb(23, 97, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 97, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 97, 227);  
box-shadow:4px 4px 4px 4px rgb(23, 97,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4932, 14.2776, 74.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 97, 227) }
```

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

```
.background{ background-color: rgb(23, 97,  
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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