

Converting Colors

XYZ(18.3662, 14.5592, 74.4791)

Have a look what the booklet for
XYZ(18.3662, 14.5592, 74.4791)
contains.

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Color

**XYZ(18.3270, 14.4697,
74.5000)**

Conversions

Conversions Part 1

Format	Color
Hex	0063E3
RGB	0, 99, 227
RGB Percent	0%, 39%, 89%
CMY	0.9997, 0.6118, 0.1098
CMYK	1.00, 0.56, 0.00, 0.11
HSL	214°, 100%, 45%
HSV	214°, 100%, 89%
XYZ	18.3270, 14.4697, 74.5000
YIQ	83.9910, -100.0920, 18.8200

Conversions

Conversions Part 2

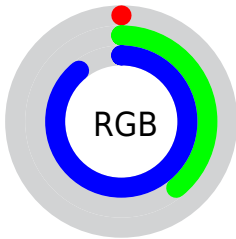
Format	Color
RYB	0, 69, 227
Decimal	25571
CIELab	44.90, 26.36, -71.24
CIELCh	45, 75.960, 290.309
Yxy	14.4697, 0.1708, 0.1349
Android (android.graphics.Color)	4278215651 (0xFF0063E3)
YUV	83.9910, 70.5034, -73.6601
Hunter-Lab	38.0391, 19.4319, -89.4929

Details

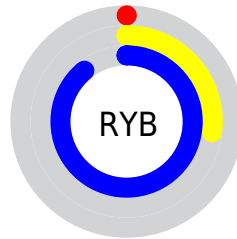
The XYZ color **18.3270, 14.4697, 74.5000** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **39.4068, 31.7866, 4.0603**, and the grayscale version is **8.3032, 8.7356, 9.5131**.

A 20% lighter version of the original color is **34.7413, 31.7791, 98.9106**, and **8.5749, 5.5406, 38.6477** is the 20% darker color. If you saturate the color by 10%, you get **18.3235, 14.4627, 74.4992**, and if you desaturate by 10%, it is **19.9856, 17.2704, 74.9536**.

Distribution



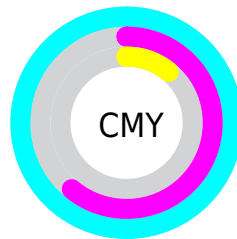
- Red (0%)
- Green (39%)
- Blue (89%)



- Red (0%)
- Yellow (27%)
- Blue (89%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (61%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3270, 14.4697, 74.5000 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 18.3270, 14.4697, 74.5000 by changing the saturation by 10% instead.

■ 18.3270, 14.4697,
74.5000

■ 18.3270, 14.4697,
74.5000

235.7179,
220.1336, 495.4067

■ 11.2861, 8.4481,
54.7041

■ 40.1195, 33.9201,
127.3449

■ 6.3283, 4.3830,
38.7679

■ 55.6018, 48.1178,
161.2310

■ 3.0883, 1.8900,
26.2727

■ 74.6286, 65.8095,
200.6509

■ 1.2006, 0.5424,
16.8002

■ 97.5653, 87.3797,
246.0232

■ 0.1069, 0.0000,
9.9317

■ 124.7772,
113.2128, 297.7664

■ 0.0000, 0.0000,
5.2487

156.6297,

■ 0.0000, 0.0000,

143.6933, 356.2990

2.3326

193.4881,
179.2054, 422.0396

■ 0.0000, 0.0000,
0.7494

■ 0.0000, 0.0000,
0.0000

■ 18.3270, 14.4697,
74.5000

■ 18.3270, 14.4697,
74.5000

■ 18.3235, 14.4627,
74.4992

■ 19.9856, 17.2704,
74.9536

■ 22.2519, 20.6824,
75.4927

■ 25.2647, 24.7892,
76.1266

■ 29.1068, 29.6445,
76.8613

■ 33.8485, 35.2951,
77.7020

■ 39.5520, 41.7833,
78.6538

■ 46.2734, 49.1477,
79.7210

■ 54.0644, 57.4241,
80.9079

■ 62.9727, 66.6462,
82.2184

Harmonies

Analogous

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



11.8395, 14.4697, 79.2094



18.3270, 14.4697, 74.5000



25.1379, 14.4697, 49.2360

Triad

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



18.3270, 14.4697, 74.5000



22.8741, 14.4697, 1.3727



5.0219, 14.4697, 10.6715

Complementary

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



18.3270, 14.4697, 74.5000



39.4068, 31.7866, 4.0603

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.



6.4597, 14.4697, 2.4531



18.3270, 14.4697, 74.5000



15.8624, 14.4697, 0.1773

Square

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



18.3270, 14.4697, 74.5000



28.2638, 14.4697, 6.6178



10.0114, 14.4697, 0.4317



5.3197, 14.4697, 30.8520

Rectangle

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



18.3270, 14.4697, 74.5000



28.3349, 14.4697, 30.3133



10.0114, 14.4697, 0.4317



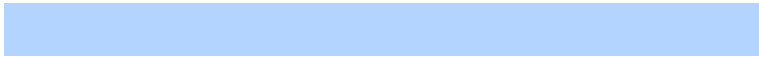
5.2964, 14.4697, 6.8138

Sweetspot

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



18.3278, 14.4700, 74.5004



60.0313, 63.7567, 103.7500



31.1640, 56.4164, 28.6086



12.0216, 12.7477, 22.0769



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.



18.3278, 14.4700, 74.5004



23.7530, 18.6259, 96.9510



14.0094, 5.6215, 73.0201



14.0971, 14.9157, 18.2803



10.7977, 8.6575, 43.4851



0.8889, 0.8218, 3.2437

Inverse Universe

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



33.9315, 17.2332, 13.3421



44.1186, 22.4114, 17.0885



55.6863, 69.4848, 10.4788



14.6366, 14.4718, 16.2869



19.8437, 10.0717, 8.0718



1.5123, 0.7626, 0.8384

Previews

White Background



This preview shows how the XYZ color 18.3270, 14.4697, 74.5000 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 18.3270, 14.4697, 74.5000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

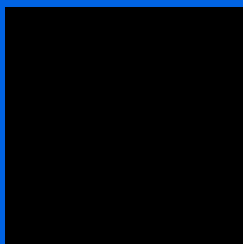
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

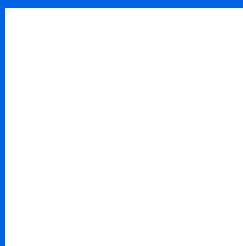
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3270, 14.4697, 74.5000

Background



This preview shows how black text looks on a background with the XYZ color 18.3270, 14.4697, 74.5000.



This preview shows how white text looks on a background with the XYZ color 18.3270, 14.4697,

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

18.3270, 14.4697, 74.5000

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.2255, 14.2703, 48.4591



Tritanopia

10.1801, 14.4375, 21.6522

Trichromacy



Original Color

18.3270, 14.4697, 74.5000

Protanomaly

17.5719, 14.4747, 69.5779

Deuteranomaly

15.5942, 14.3202, 57.2005

Tritanomaly

12.2060, 13.9775, 36.2370

Monochromacy



Original Color

18.3270, 14.4697, 74.5000

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4845, 9.6792, 24.6609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3270, 14.4697, 74.5000 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(0, 99, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 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(0, 99, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 227) }
```

Border

The CSS property to change the border of an element to XYZ 18.3270, 14.4697, 74.5000 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(0, 99, 227) }
```


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

```
.border{ border-color:rgb(0, 99, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 227)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3270, 14.4697, 74.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 227) }
```

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

```
.background{ background-color: rgb(0, 99,  
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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