

Converting Colors

XYZ(17.7853, 14.3597, 71.3191)

Have a look what the booklet for
XYZ(17.7853, 14.3597, 71.3191)
contains.

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Color

**XYZ(17.8765, 14.4421,
71.6574)**

Conversions

Conversions Part 1

Format	Color
Hex	0064DF
RGB	0, 100, 223
RGB Percent	0%, 39%, 87%
CMY	0.9998, 0.6078, 0.1255
CMYK	1.00, 0.55, 0.00, 0.13
HSL	213°, 100%, 44%
HSV	213°, 100%, 87%
XYZ	17.8765, 14.4421, 71.6574
YIQ	84.1220, -99.0830, 17.0530

Conversions

Conversions Part 2

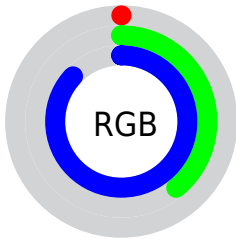
Format	Color
RYB	0, 69, 223
Decimal	25823
CIELab	44.86, 24.14, -69.03
CIELCh	45, 73.134, 289.277
Yxy	14.4421, 0.1719, 0.1389
Android (android.graphics.Color)	4278215903 (0xFF0064DF)
YUV	84.1220, 68.4669, -73.7750
Hunter-Lab	38.0028, 17.4616, -85.1943

Details

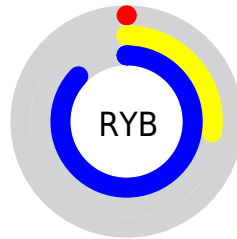
The XYZ color **17.8765, 14.4421, 71.6574** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **37.5223, 29.8691, 3.7894**, and the grayscale version is **8.3337, 8.7677, 9.5481**.

A 20% lighter version of the original color is **34.7820, 32.0360, 98.9581**, and **8.3412, 5.5224, 37.1855** is the 20% darker color. If you saturate the color by 10%, you get **17.8734, 14.4357, 71.6567**, and if you desaturate by 10%, it is **19.4859, 17.1578, 72.0972**.

Distribution



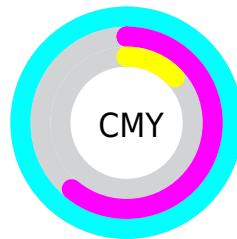
- Red (0%)
- Green (39%)
- Blue (87%)



- Red (0%)
- Yellow (27%)
- Blue (87%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (61%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8765, 14.4421, 71.6574 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 17.8765, 14.4421, 71.6574 by changing the saturation by 10% instead.

■ 17.8765, 14.4421,
71.6574

■ 17.8765, 14.4421,
71.6574

233.2331,
219.9641, 485.2937

■ 10.9605, 8.4288,
52.3937

■ 39.3585, 33.8714,
123.2725

■ 6.1074, 4.3705,
36.9346

■ 54.6552, 48.0563,
156.4610

■ 2.9518, 1.8829,
24.8615

■ 73.4762, 65.7337,
195.1282

■ 1.1283, 0.5381,
15.7558

■ 96.1869, 87.2882,
239.6927

■ 0.0486, 0.0000,
9.1990

■ 123.1526,
113.1040, 290.5729

■ 0.0000, 0.0000,
4.7726

154.7386,

■ 0.0000, 0.0000,

143.5657, 348.1875

2.0581

191.3103,
179.0576, 412.9549

■ 0.0000, 0.0000,
0.5907

■ 0.0000, 0.0000,
0.0000

■ 17.8765, 14.4421,
71.6574

■ 17.8765, 14.4421,
71.6574

■ 17.8734, 14.4357,
71.6567

■ 19.4859, 17.1578,
72.0972

■ 21.6705, 20.4458,
72.6166

■ 24.5642, 24.3853,
73.2245

■ 28.2454, 29.0269,
73.9264

■ 32.7809, 34.4144,
74.7273

■ 38.2298, 40.5872,
75.6316

■ 44.6455, 47.5814,
76.6434

■ 52.0769, 55.4307,
77.7668

■ 60.5695, 64.1665,
79.0054

Harmonies

Analogous

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



11.6996, 14.4421, 75.2032



17.8765, 14.4421, 71.6574



24.3955, 14.4421, 48.4078

Triad

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



17.8765, 14.4421, 71.6574



22.6616, 14.4421, 1.6513



5.2544, 14.4421, 10.3664

Complementary

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



17.8765, 14.4421, 71.6574



37.5223, 29.8691, 3.7894

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.



6.7348, 14.4421, 2.5497



17.8765, 14.4421, 71.6574



15.9756, 14.4421, 0.3837

Square

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



17.8765, 14.4421, 71.6574



27.6657, 14.4421, 7.1763



10.2747, 14.4421, 0.5811



5.4915, 14.4421, 29.2690

Rectangle

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



17.8765, 14.4421, 71.6574



27.5079, 14.4421, 30.4646



10.2747, 14.4421, 0.5811



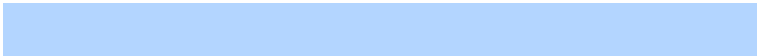
5.5455, 14.4421, 6.7240

Sweetspot

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



17.8773, 14.4424, 71.6578



60.2674, 64.2289, 103.8287



29.9435, 54.1980, 27.5162



12.0771, 12.8587, 22.0954



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.



17.8773, 14.4424, 71.6578



24.1025, 19.3251, 97.0675



13.4608, 5.4016, 70.1455



13.4554, 14.2499, 17.4290



10.6185, 8.7066, 42.1692



0.8244, 0.7803, 2.9524

Inverse Universe

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



32.7325, 16.6094, 13.5373



44.2950, 22.4820, 18.0176



53.4973, 66.7510, 10.0663



13.9613, 13.8022, 15.5666



19.2999, 9.7870, 8.2452



1.3824, 0.6962, 0.8065

Previews

White Background



This preview shows how the XYZ color 17.8765, 14.4421, 71.6574 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 17.8765, 14.4421, 71.6574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

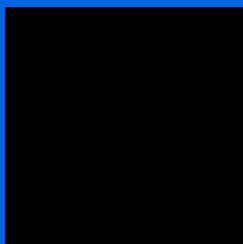
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

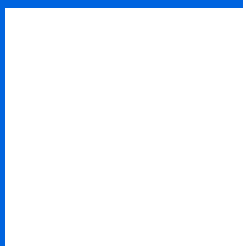
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8765, 14.4421, 71.6574

Background



This preview shows how black text looks on a background with the XYZ color 17.8765, 14.4421, 71.6574.



This preview shows how white text looks on a background with the XYZ color 17.8765, 14.4421,

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

17.8765, 14.4421, 71.6574

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.2255, 14.2703, 48.4591



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

17.8765, 14.4421, 71.6574

Protanomaly

17.4399, 14.4218, 68.8823

Deuteranomaly

15.3604, 14.2267, 55.9693

Tritanomaly

12.1175, 13.9421, 35.7706

Monochromacy



Original Color

17.8765, 14.4421, 71.6574

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4975, 9.8185, 24.3163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8765, 14.4421, 71.6574 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, 100, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 223)  
}
```

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, 100, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 223) }
```

Border

The CSS property to change the border of an element to XYZ 17.8765, 14.4421, 71.6574 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, 100, 223) }
```


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

```
.border{ border-color:rgb(0, 100, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8765, 14.4421, 71.6574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 223) }
```

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

```
.background{ background-color: rgb(0, 100,  
223) }
```

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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