

Converting Colors

XYZ(17.4077, 14.2943, 69.0667)

Have a look what the booklet for
XYZ(17.4077, 14.2943, 69.0667)
contains.

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Color

**XYZ(17.3434, 14.2288,
68.8502)**

Conversions

Conversions Part 1

Format	Color
Hex	0064DB
RGB	0, 100, 219
RGB Percent	0%, 39%, 86%
CMY	0.9998, 0.6078, 0.1412
CMYK	1.00, 0.54, 0.00, 0.14
HSL	213°, 100%, 43%
HSV	213°, 100%, 86%
XYZ	17.3434, 14.2288, 68.8502
YIQ	83.6660, -97.7990, 15.8090

Conversions

Conversions Part 2

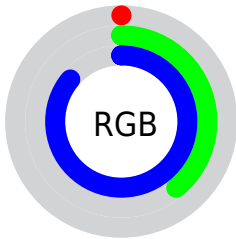
Format	Color
R _{YB}	0, 69, 219
Decimal	25819
CIE _{Lab}	44.56, 22.57, -67.25
CIE _{LCh}	45, 70.936, 288.549
Y _{xy}	14.2288, 0.1727, 0.1417
Android (android.graphics.Color)	4278215899 (0xFF0064DB)
Y _{UV}	83.6660, 66.7197, -73.3751
Hunter-Lab	37.7211, 16.0588, -81.8140

Details

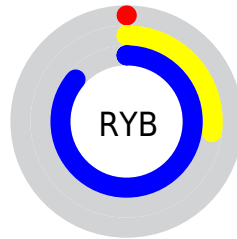
The XYZ color **17.3434, 14.2288, 68.8502** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **35.8179, 28.2683, 3.5702**, and the grayscale version is **8.2438, 8.6731, 9.4450**.

A 20% lighter version of the original color is **34.5499, 31.9163, 98.9472**, and **7.9770, 5.3767, 35.2677** is the 20% darker color. If you saturate the color by 10%, you get **17.3403, 14.2226, 68.8495**, and if you desaturate by 10%, it is **18.8997, 16.8515, 69.2748**.

Distribution



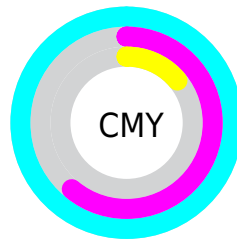
- Red (0%)
- Green (39%)
- Blue (86%)



- Red (0%)
- Yellow (27%)
- Blue (86%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (61%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3434, 14.2288, 68.8502 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 17.3434, 14.2288, 68.8502 by changing the saturation by 10% instead.

■ 17.3434, 14.2288,
68.8502

■ 17.3434, 14.2288,
68.8502

230.2615,
218.6496, 475.1821

■ 10.5764, 8.2800,
50.1187

■ 38.4542, 33.4945,
119.2333

■ 5.8480, 4.2746,
35.1359

■ 53.5287, 47.5801,
151.7220

■ 2.7926, 1.8283,
23.4832

■ 72.1032, 65.1467,
189.6335

■ 1.0451, 0.5047,
14.7420

■ 94.5429, 86.5788,
233.3863

■ 0.0000, 0.0000,
8.4939

■ 121.2132,
112.2608, 283.3991

■ 0.0000, 0.0000,
4.3203

152.4795,

■ 0.0000, 0.0000,

142.5770, 340.0902

1.8027

188.7071,
177.9118, 403.8784

■ 0.0000, 0.0000,
0.4297

■ 0.0000, 0.0000,
0.0000

■ 17.3434, 14.2288,
68.8502

■ 17.3434, 14.2288,
68.8502

■ 17.3403, 14.2226,
68.8495

■ 18.8997, 16.8515,
69.2748

■ 21.0023, 20.0136,
69.7743

■ 23.7802, 23.7910,
70.3570

■ 27.3079, 28.2312,
71.0281

■ 31.6491, 33.3755,
71.7923

■ 36.8600, 39.2612,
72.6537

■ 42.9913, 45.9222,
73.6162

■ 50.0897, 53.3902,
74.6836

■ 58.1983, 61.6948,
75.8592

Harmonies

Analogous

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



11.4511, 14.2288, 71.6215



17.3434, 14.2288, 68.8502



23.5855, 14.2288, 47.2059

Triad

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



17.3434, 14.2288, 68.8502



22.2145, 14.2288, 1.8315



5.3405, 14.2288, 10.0314

Complementary

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



17.3434, 14.2288, 68.8502



35.8179, 28.2683, 3.5702

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.



6.8291, 14.2288, 2.5813



17.3434, 14.2288, 68.8502



15.8332, 14.2288, 0.5105

Square

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



17.3434, 14.2288, 68.8502



26.9012, 14.2288, 7.4623



10.3111, 14.2288, 0.6694



5.5330, 14.2288, 27.8650

Rectangle

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



17.3434, 14.2288, 68.8502



26.6003, 14.2288, 30.1472



10.3111, 14.2288, 0.6694



5.6389, 14.2288, 6.5765

Sweetspot

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



17.3441, 14.2291, 68.8506



60.4251, 64.5443, 103.8813



28.5332, 51.9440, 25.2990



12.1142, 12.9329, 22.1078



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.



17.3441, 14.2291, 68.8506



24.3416, 19.8032, 97.1472



12.8790, 5.1633, 67.3361



12.8259, 13.5915, 16.5996



10.3886, 8.6466, 40.8598



0.7585, 0.7310, 2.6756

Inverse Universe

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



31.5145, 15.9815, 13.4802



44.4157, 22.5303, 18.6530



52.3977, 64.6164, 9.7123



13.3020, 13.1499, 14.8514



18.7390, 9.4966, 8.2716



1.2571, 0.6325, 0.7630

Previews

White Background



This preview shows how the XYZ color 17.3434, 14.2288, 68.8502 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 17.3434, 14.2288, 68.8502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

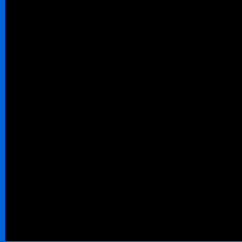
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3434, 14.2288, 68.8502

Background



This preview shows how black text looks on a background with the XYZ color 17.3434, 14.2288, 68.8502.



This preview shows how white text looks on a background with the XYZ color 17.3434, 14.2288,

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

17.3434, 14.2288, 68.8502

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.1195, 14.2279, 47.9010



Tritanopia

9.9994, 14.1778, 21.2784

Trichromacy



Original Color

17.3434, 14.2288, 68.8502

Protanomaly

17.0484, 14.2652, 66.8207

Deuteranomaly

15.1296, 14.1344, 54.7541

Tritanomaly

11.9424, 13.8721, 34.8490

Monochromacy



Original Color

17.3434, 14.2288, 68.8502

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.3580, 9.7627, 23.5815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3434, 14.2288, 68.8502 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 219) }
```

Border

The CSS property to change the border of an element to XYZ 17.3434, 14.2288, 68.8502 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, 219) }
```


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

```
.border{ border-color:rgb(0, 100, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3434, 14.2288, 68.8502 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, 219) }
```

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

```
.background{ background-color: rgb(0, 100,  
219) }
```

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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