

Converting Colors

XYZ(17.2331, 13.1468, 71.4692)

Have a look what the booklet for
XYZ(17.2331, 13.1468, 71.4692)
contains.

XYZ(17.2336, 13.1564, 71.4432)	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(17.2336, 13.1564,
71.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	005DDF
RGB	0, 93, 223
RGB Percent	0%, 36%, 87%
CMY	0.9998, 0.6353, 0.1255
CMYK	1.00, 0.58, 0.00, 0.13
HSL	215°, 100%, 44%
HSV	215°, 100%, 87%
XYZ	17.2336, 13.1564, 71.4432
YIQ	80.0130, -97.1580, 20.7140

Conversions

Conversions Part 2

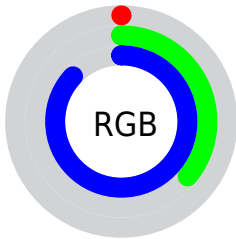
Format	Color
R _{YB}	0, 66, 223
Decimal	24031
CIE _{Lab}	43.00, 28.70, -72.07
CIE _{LCh}	43, 77.574, 291.710
Y _{xy}	13.1564, 0.1692, 0.1292
Android (android.graphics.Color)	4278214111 (0xFF005DDF)
YUV	80.0130, 70.4926, -70.1714
Hunter-Lab	36.2718, 21.3342, -91.3912

Details

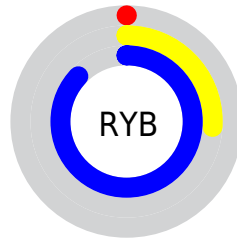
The XYZ color **17.2336, 13.1564, 71.4432** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **38.4217, 31.6678, 4.0890**, and the grayscale version is **7.5117, 7.9028, 8.6062**.

A 20% lighter version of the original color is **33.6982, 29.8682, 98.5968**, and **8.0734, 4.9866, 37.0962** is the 20% darker color. If you saturate the color by 10%, you get **17.2310, 13.1509, 71.4427**, and if you desaturate by 10%, it is **18.8124, 15.8110, 71.8727**.

Distribution



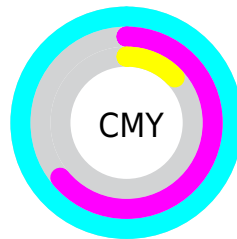
- Red (0%)
- Green (36%)
- Blue (87%)



- Red (0%)
- Yellow (26%)
- Blue (87%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (64%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2336, 13.1564, 71.4432 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 17.2336, 13.1564, 71.4432 by changing the saturation by 10% instead.

■ 17.2336, 13.1564,
71.4432

■ 17.2336, 13.1564,
71.4432

229.6451,
211.9176, 484.5266

■ 10.4975, 7.5363,
52.2199

■ 38.2674, 31.5845,
122.9649

■ 5.7948, 3.7997,
36.7969

■ 53.2958, 45.1613,
156.1004

■ 2.7602, 1.5622,
24.7558

■ 71.8191, 62.1591,
194.7104

■ 1.0283, 0.3319,
15.6778

■ 94.2025, 82.9624,
239.2134

■ 0.0000, 0.0000,
9.1446

■ 120.8114,
107.9555, 290.0280

■ 0.0000, 0.0000,
4.7375

152.0113,

■ 0.0000, 0.0000,

137.5228, 347.5727

2.0381

188.1674,
172.0487, 412.2661

■ 0.0000, 0.0000,
0.5785

■ 0.0000, 0.0000,
0.0000

■ 17.2336, 13.1564,
71.4432

■ 17.2336, 13.1564,
71.4432

■ 17.2310, 13.1509,
71.4427

■ 18.8124, 15.8110,
71.8727

■ 20.9839, 19.0728,
72.3879

■ 23.8834, 23.0244,
72.9978

■ 27.5908, 27.7187,
73.7085

■ 32.1742, 33.2022,
74.5254

■ 37.6939, 39.5169,
75.4533

■ 44.2044, 46.7010,
76.4968

■ 51.7556, 54.7903,
77.6602

■ 60.3941, 63.8182,
78.9475

Harmonies

Analogous

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



10.9264, 13.1564, 77.3875



17.2336, 13.1564, 71.4432



23.8090, 13.1564, 45.7410

Triad

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



17.2336, 13.1564, 71.4432



21.0205, 13.1564, 0.9262



4.2550, 13.1564, 10.1004

Complementary

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



17.2336, 13.1564, 71.4432



38.4217, 31.6678, 4.0890

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.



5.5017, 13.1564, 2.1021



17.2336, 13.1564, 71.4432



14.2283, 13.1564, 0.0000

Square

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



17.2336, 13.1564, 71.4432



26.4345, 13.1564, 5.3000



8.7313, 13.1564, 0.1442



4.6014, 13.1564, 30.1903

Rectangle

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



17.2336, 13.1564, 71.4432



26.8212, 13.1564, 27.2680



8.7313, 13.1564, 0.1442



4.4824, 13.1564, 6.3051

Sweetspot

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



17.2343, 13.1567, 71.4436



59.6687, 63.0316, 103.6292



30.1796, 54.2924, 28.7597



11.9365, 12.5774, 22.0485



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.



17.2343, 13.1567, 71.4436



23.2359, 17.5919, 96.7786



13.5156, 5.4297, 70.1481



13.4192, 14.1775, 17.4169



10.2373, 7.9443, 42.0422



0.7965, 0.7245, 2.9431

Inverse Universe

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



32.4079, 16.4795, 11.8286



43.8576, 22.3071, 15.7142



52.4392, 66.2056, 10.0166



13.9431, 13.7949, 15.4703



19.1075, 9.7100, 7.2321



1.3683, 0.6906, 0.7323

Previews

White Background



This preview shows how the XYZ color 17.2336, 13.1564, 71.4432 looks on a white background.

Color Contrast Check

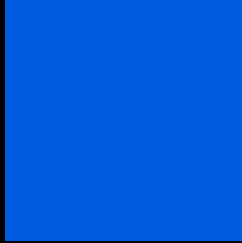
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2336, 13.1564, 71.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

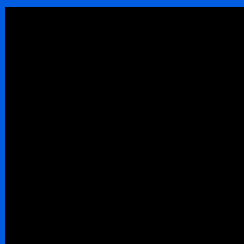
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

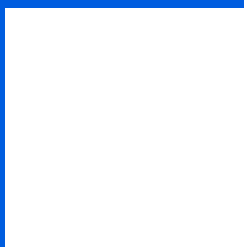
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2336, 13.1564, 71.4432

Background



This preview shows how black text looks on a background with the XYZ color 17.2336, 13.1564, 71.4432.



This preview shows how white text looks on a background with the XYZ color 17.2336, 13.1564,

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

17.2336, 13.1564, 71.4432

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

12.8861, 13.0750, 43.4395



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

17.2336, 13.1564, 71.4432

Protanomaly

16.1931, 13.1698, 64.6394

Deuteranomaly

14.2948, 13.0094, 52.7966

Tritanomaly

11.1374, 12.5375, 33.7313

Monochromacy



Original Color

17.2336, 13.1564, 71.4432

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.7786, 8.8667, 23.0786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2336, 13.1564, 71.4432 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, 93, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 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, 93, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 223) }
```

Border

The CSS property to change the border of an element to XYZ 17.2336, 13.1564, 71.4432 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, 93, 223) }
```


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

```
.border{ border-color:rgb(0, 93, 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, 93, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 223)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2336, 13.1564, 71.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 223) }
```

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

```
.background{ background-color: rgb(0, 93,  
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](#).

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