

Converting Colors

XYZ(7.7018, 8.5593, 70.4870)

Have a look what the booklet for
XYZ(7.7018, 8.5593, 70.4870)
contains.

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Color

**XYZ(17.2770, 13.4583,
70.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	005FDE
RGB	0, 95, 222
RGB Percent	0%, 37%, 87%
CMY	0.9998, 0.6275, 0.1294
CMYK	1.00, 0.57, 0.00, 0.13
HSL	214°, 100%, 44%
HSV	214°, 100%, 87%
XYZ	17.2770, 13.4583, 70.7944
YIQ	81.0730, -97.3870, 19.3570

Conversions

Conversions Part 2

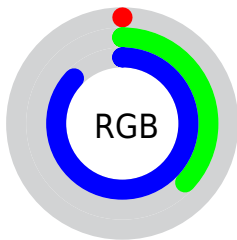
Format	Color
RYB	0, 67, 222
Decimal	24542
CIELab	43.45, 27.00, -70.77
CIELCh	43, 75.748, 290.884
Yxy	13.4583, 0.1702, 0.1326
Android (android.graphics.Color)	4278214622 (0xFF005FDE)
YUV	81.0730, 69.4770, -71.1010
Hunter-Lab	36.6856, 19.8645, -88.7357

Details

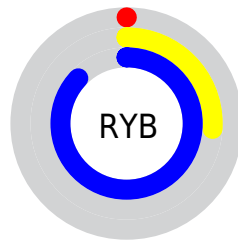
The XYZ color **17.2770, 13.4583, 70.7944** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **37.7213, 30.7230, 3.9436**, and the grayscale version is **7.7198, 8.1219, 8.8447**.

A 20% lighter version of the original color is **34.0011, 30.4741, 98.6978**, and **8.0668, 5.1208, 36.6396** is the 20% darker color. If you saturate the color by 10%, you get **17.2742, 13.4526, 70.7938**, and if you desaturate by 10%, it is **18.8527, 16.1099, 71.2235**.

Distribution



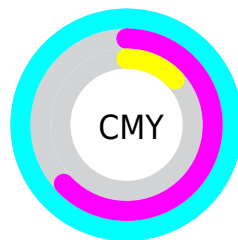
- Red (0%)
- Green (37%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (63%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2770, 13.4583, 70.7944 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 17.2770, 13.4583, 70.7944 by changing the saturation by 10% instead.

■ 17.2770, 13.4583,
70.7944

■ 17.2770, 13.4583,
70.7944

229.8889,
213.8343, 482.1987

■ 10.5287, 7.7449,
51.6936

■ 38.3412, 32.1247,
122.0326

■ 5.8158, 3.9321,
36.3804

■ 53.3879, 45.8465,
155.0072

■ 2.7730, 1.6357,
24.4361

■ 71.9314, 63.0066,
193.4434

■ 1.0349, 0.3815,
15.4422

■ 94.3371, 83.9892,
237.7599

■ 0.0000, 0.0000,
8.9803

■ 120.9703,
109.1790, 288.3751

■ 0.0000, 0.0000,
4.6317

152.1965,

■ 0.0000, 0.0000,

138.9601, 345.7076

1.9779

188.3809,
173.7171, 410.1759

■ 0.0000, 0.0000,
0.5416

■ 0.0000, 0.0000,
0.0000

■ 17.2770, 13.4583,
70.7944

■ 17.2770, 13.4583,
70.7944

■ 17.2742, 13.4526,
70.7938

■ 18.8527, 16.1099,
71.2235

■ 21.0086, 19.3503,
71.7354

■ 23.8785, 23.2600,
72.3388

■ 27.5408, 27.8906,
73.0395

■ 32.0624, 33.2870,
73.8428

■ 37.5024, 39.4899,
74.7534

■ 43.9143, 46.5363,
75.7755

■ 51.3472, 54.4608,
76.9133

■ 59.8468, 63.2957,
78.1707

Harmonies

Analogous

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



11.0773, 13.4583, 75.8370



17.2770, 13.4583, 70.7944



23.7669, 13.4583, 46.1941

Triad

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



17.2770, 13.4583, 70.7944



21.3667, 13.4583, 1.1375



4.5418, 13.4583, 10.0856

Complementary

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



17.2770, 13.4583, 70.7944



37.7213, 30.7230, 3.9436

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.



5.8543, 13.4583, 2.2281



17.2770, 13.4583, 70.7944



14.6745, 13.4583, 0.0080

Square

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



17.2770, 13.4583, 70.7944



26.5880, 13.4583, 5.8552



9.1588, 13.4583, 0.2891



4.8504, 13.4583, 29.5553

Rectangle

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



17.2770, 13.4583, 70.7944



26.7836, 13.4583, 28.0764



9.1588, 13.4583, 0.2891



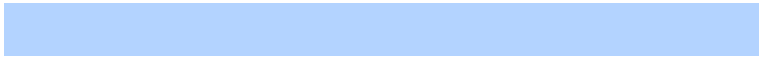
4.7880, 13.4583, 6.3814

Sweetspot

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



17.2777, 13.4586, 70.7948



59.8753, 63.4448, 103.6981



29.8767, 53.7450, 28.4784



11.9850, 12.6744, 22.0647



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.



17.2777, 13.4586, 70.7948



23.5277, 18.1753, 96.8759



13.3801, 5.3755, 69.4400



13.4317, 14.2026, 17.4211



10.3658, 8.2012, 42.0850



0.8060, 0.7435, 2.9463

Inverse Universe

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



32.1905, 16.3571, 12.2869



44.0049, 22.3659, 16.4896



51.9110, 65.5378, 9.9156



13.9494, 13.7974, 15.5036



19.1724, 9.7360, 7.5736



1.3731, 0.6925, 0.7575

Previews

White Background



This preview shows how the XYZ color 17.2770, 13.4583, 70.7944 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 17.2770, 13.4583, 70.7944 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

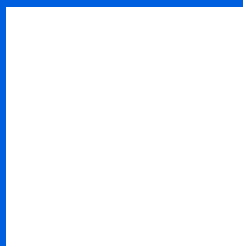
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2770, 13.4583, 70.7944

Background



This preview shows how black text looks on a background with the XYZ color 17.2770, 13.4583, 70.7944.



This preview shows how white text looks on a background with the XYZ color 17.2770, 13.4583,

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

17.2770, 13.4583, 70.7944

Protanopia

15.8763, 13.3388, 62.0595

Deuteranopia

13.2898, 13.3984, 45.0657



Tritanopia

9.4075, 13.3907, 19.8581

Trichromacy



Original Color

17.2770, 13.4583, 70.7944

Protanomaly

16.4123, 13.4044, 65.3406

Deuteranomaly

14.5040, 13.2475, 53.4223

Tritanomaly

11.3435, 12.9497, 33.8000

Monochromacy



Original Color

17.2770, 13.4583, 70.7944

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.9088, 9.0516, 23.1074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2770, 13.4583, 70.7944 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, 95, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 222)  
}
```

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, 95, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 222) }
```

Border

The CSS property to change the border of an element to XYZ 17.2770, 13.4583, 70.7944 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, 95, 222) }
```


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

```
.border{ border-color:rgb(0, 95, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 222)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2770, 13.4583, 70.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 222) }
```

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

```
.background{ background-color: rgb(0, 95,  
222) }
```

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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