

Converting Colors

XYZ(23.3608, 13.9658, 94.2828)

Have a look what the booklet for
XYZ(23.3608, 13.9658, 94.2828)
contains.

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Color

**XYZ(23.3640, 13.9361,
94.3870)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 4C4DFD |
| RGB | 76, 77, 253 |
| RGB Percent | 30%, 30%, 99% |
| CMY | 0.7019, 0.6980, 0.0078 |
| CMYK | 0.70, 0.70, 0.00, 0.01 |
| HSL | 240°, 98%, 65% |
| HSV | 240°, 70%, 99% |
| XYZ | 23.3640, 13.9361, 94.3870 |
| YIQ | 96.7650, -57.0920, 54.5240 |

Conversions

Conversions Part 2

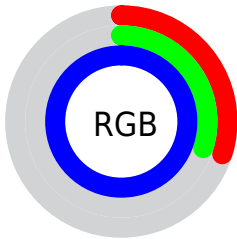
| Format | Color |
|--|--|
| <code>RGB</code> | <code>76, 77, 253</code> |
| Decimal | <code>5000701</code> |
| CIE Lab | <code>44.14, 53.98, -87.01</code> |
| CIE LCh | <code>44, 102.394, 301.818</code> |
| Yxy | <code>13.9361, 0.1774, 0.1058</code> |
| Android (<code>android.graphics.Color</code>) | <code>4283190781 (0xFF4C4DFD)</code> |
| YUV | <code>96.7650, 77.0239, -18.2109</code> |
| Hunter-Lab | <code>37.3311, 46.3864, -123.7756</code> |

Details

The XYZ color **23.3640, 13.9361, 94.3870** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **76.6279, 91.0343, 20.3723**, and the grayscale version is **11.1332, 11.7130, 12.7555**.

A 20% lighter version of the original color is **37.4934, 28.5097, 98.1346**, and **10.3146, 4.8687, 52.0259** is the 20% darker color. If you saturate the color by 10%, you get **20.3013, 10.2299, 93.8335**, and if you desaturate by 10%, it is **27.8984, 19.4103, 95.2051**.

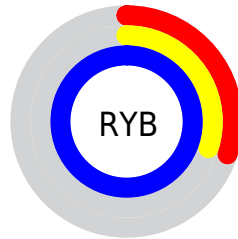
Distribution



Red (30%)

Green (30%)

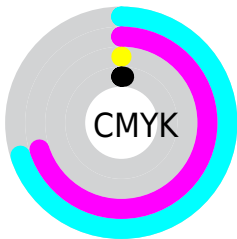
Blue (99%)



Red (30%)

Yellow (30%)

Blue (99%)

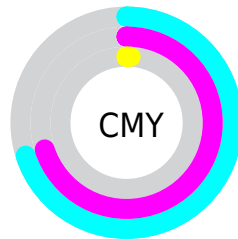


Cyan (70%)

Magenta (70%)

Yellow (0%)

Black (1%)



Cyan (70%)


Magenta (70%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3640, 13.9361, 94.3870 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 23.3640, 13.9361, 94.3870 by changing the saturation by 10% instead.


 23.3640, 13.9361,
94.3870

 23.3640, 13.9361,
94.3870


262.0897,
216.8329, 563.1348


 14.9847, 8.0762,
71.0308


 48.4526, 32.9756,
155.4057

 8.8949, 4.1438,
51.8854


 65.8926, 46.9240,
193.9054


 4.7292, 1.7543,
36.5321


 87.0835, 64.3374,
238.2899

 2.1224, 0.4585,
24.5525

 112.3907, 85.6002,
288.9778

 0.7014, 0.0000,
15.5280

 142.1796,
111.0968, 346.3878

 0.0000, 0.0000,
9.0400

176.8155,

 0.0000, 0.0000,

141.2115, 410.9382

4.6701

216.6637,
176.3287, 483.0477

■ 0.0000, 0.0000,
1.9997

■ 0.0000, 0.0000,
0.5551

■ 23.3640, 13.9361,
94.3870

■ 23.3640, 13.9361,
94.3870

■ 20.3013, 10.2299,
93.8335

■ 27.8984, 19.4103,
95.2051

■ 18.5255, 8.0731,
93.5108

■ 34.0547, 26.8347,
96.3136

■ 17.7476, 7.1256,
93.3689

■ 41.9676, 36.3699,
97.7371

■ 17.7450, 7.1225,
93.3684

■ 51.7572, 48.1594,
99.4967

■ 63.5328, 62.3343,
101.6121

■ 77.3953, 79.0158,
104.1013

■ 93.4390, 98.3165,
106.9811

■ 94.7297, 99.8719,
107.2133

Harmonies

Analogous

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



13.7500, 13.9361, 119.0378



23.3640, 13.9361, 94.3870



32.4571, 13.9361, 47.8442

Triad

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



23.3640, 13.9361, 94.3870



22.1276, 13.9361, 0.0000



2.9362, 13.9361, 16.6450

Complementary

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



23.3640, 13.9361, 94.3870



76.6279, 91.0343, 20.3723

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.



3.6685, 13.9361, 2.3058



23.3640, 13.9361, 94.3870



12.7542, 13.9361, 0.0000

Square

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



23.3640, 13.9361, 94.3870



31.5606, 13.9361, 1.6717



6.5743, 13.9361, 0.0000



3.8841, 13.9361, 53.3534

Rectangle

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



23.3640, 13.9361, 94.3870



35.6480, 13.9361, 22.5131



6.5743, 13.9361, 0.0000



2.9922, 13.9361, 9.6333

Sweetspot

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



23.3649, 13.9364, 94.3874



63.3201, 61.8231, 103.2035



55.3701, 78.6931, 102.7551



12.8128, 12.3417, 21.9568



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.



23.3649, 13.9364, 94.3874



19.7842, 9.3428, 95.3683



35.1253, 19.8974, 94.9182



17.0112, 17.3940, 22.7107



9.4431, 3.7957, 49.6695



0.9222, 0.3750, 4.8371

Inverse Universe

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



44.4329, 26.5890, 9.8112



42.4438, 22.9992, 4.3922



52.4632, 79.0381, 19.3304



18.0135, 17.9887, 18.6885



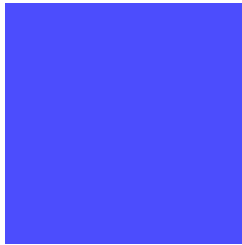
21.5546, 11.1111, 1.0392



2.1001, 1.0824, 0.1084

Previews

White Background



This preview shows how the XYZ color 23.3640, 13.9361, 94.3870 looks on a white background.

Color Contrast Check

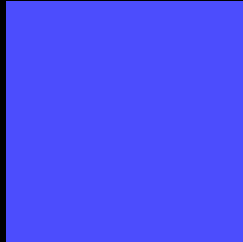
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3640, 13.9361, 94.3870 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 23.3640, 13.9361, 94.3870

Background



This preview shows how black text looks on a background with the XYZ color 23.3640, 13.9361, 94.3870.



This preview shows how white text looks on a background with the XYZ color 23.3640, 13.9361,

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

23.3640, 13.9361, 94.3870

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.3923, 13.6034, 45.0999



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

23.3640, 13.9361, 94.3870

Protanomaly

18.0335, 13.3922, 73.5860

Deuteranomaly

15.8336, 12.9363, 60.6939

Tritanomaly

12.3883, 12.4565, 39.7816

Monochromacy



Original Color

23.3640, 13.9361, 94.3870

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.6087, 11.7693, 32.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3640, 13.9361, 94.3870 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(76, 77, 253)` looks like.

```
.text, #text, p{  
    color:rgb(76, 77, 253)  
}
```

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(76, 77, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 77, 253) }
```

Border

The CSS property to change the border of an element to XYZ 23.3640, 13.9361, 94.3870 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(76, 77, 253) }
```


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

```
.border{ border-color:rgb(76, 77, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 77, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 77, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 77, 253);  
box-shadow:4px 4px 4px 4px rgb(76, 77,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3640, 13.9361, 94.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 77, 253) }
```

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

```
.background{ background-color: rgb(76, 77,  
253) }
```

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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