

# Converting Colors

XYZ(53.8914, 44.1376,  
108.4599)

Have a look what the booklet for  
XYZ(53.8914, 44.1376, 108.4599)  
contains.

<b>XYZ(52.3590, 43.5681, 100.2576)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.3590, 43.5681,  
100.2576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0A0FF
RGB	192, 160, 255
RGB Percent	75%, 63%, 100%
CMY	0.2470, 0.3725, 0.0000
CMYK	0.25, 0.37, 0.00, 0.00
HSL	260°, 100%, 81%
HSV	260°, 37%, 100%
XYZ	52.3590, 43.5681, 100.2576
YIQ	180.3980, -11.4230, 36.3290

# Conversions

## Conversions Part 2

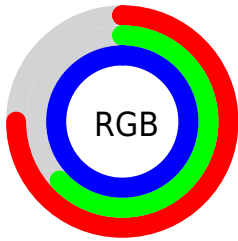
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 160, 255</a>
Decimal	<a href="#">12624127</a>
CIELab	<a href="#">71.94, 30.83, -42.95</a>
CIELCh	<a href="#">72, 52.873, 305.669</a>
Yxy	<a href="#">43.5681, 0.2669, 0.2221</a>
Android (android.graphics.Color)	<a href="#">4290814207 (0xFFC0A0FF)</a>
YUV	<a href="#">180.3980, 36.7788, 10.1750</a>
Hunter-Lab	<a href="#">66.0061, 26.0834, -43.8521</a>

# Details

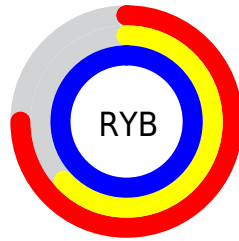
The XYZ color **52.3590, 43.5681, 100.2576** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.5372, 89.7463, 46.7591**, and the grayscale version is **43.4104, 45.6711, 49.7358**.

A 20% lighter version of the original color is **81.7748, 76.1449, 104.9952**, and **25.8721, 20.1207, 55.9462** is the 20% darker color. If you saturate the color by 10%, you get **44.3448, 33.5345, 98.7433**, and if you desaturate by 10%, it is **61.7745, 55.6718, 102.0976**.

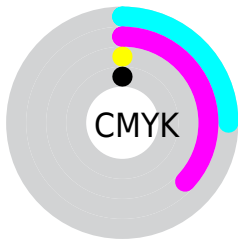
# Distribution



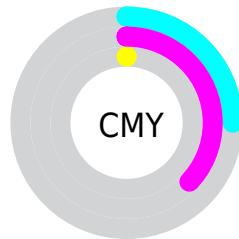
- Red (75%)
- Green (63%)
- Blue (100%)



- Red (75%)
- Yellow (63%)
- Blue (100%)



- Cyan (25%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (37%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3590, 43.5681, 100.2576 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 52.3590, 43.5681, 100.2576 by changing the saturation by 10% instead.



■ 52.3590, 43.5681,  
100.2576

■ 52.3590, 43.5681,  
100.2576

386.1222,  
360.9429, 582.2720

■ 37.5167, 30.3311,  
75.8976

■ 92.8316, 80.5674,  
163.5661

■ 25.7833, 20.0900,  
55.8424

■ 119.1926,  
105.0986, 203.3517

■ 16.7934, 12.4605,  
39.6734

150.1239,  
134.1632, 249.1162

■ 10.1817, 7.0581,  
26.9722

185.9908,  
168.1458, 301.2782

■ 5.5828, 3.4985,  
17.3201

227.1588,  
207.4306, 360.2563

■ 2.6313, 1.3972,  
10.2986

273.9931,

■ 0.9619, 0.2146,

252.4022, 426.4689

5.4892

326.8591,  
303.4448, 500.3346

■ 0.0000, 0.0000,  
2.4733

■ 0.0000, 0.0000,  
0.8260

■ 52.3590, 43.5681,  
100.2576

■ 52.3590, 43.5681,  
100.2576

■ 44.3448, 33.5345,  
98.7433

■ 61.7745, 55.6718,  
102.0976

■ 37.6554, 25.4457,  
97.5346

■ 72.6540, 69.9507,  
104.2803

■ 32.2127, 19.1704,  
96.6102

■ 85.0612, 86.5088,  
106.8224

■ 27.9277, 14.5585,  
95.9459

95.0500, 100.0000,  
108.9000

■ 24.6979, 11.4342,  
95.5130

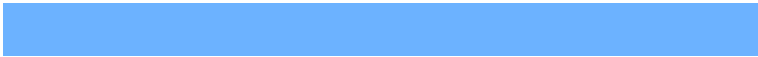
■ 22.3952, 9.5729,  
95.2751

■ 21.8781, 9.1935,  
95.2292

# Harmonies

## Analogous

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



43.1458, 43.5681, 115.9449



52.3590, 43.5681, 100.2576



59.2920, 43.5681, 70.9639

# Triad

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



52.3590, 43.5681, 100.2576



48.9679, 43.5681, 15.0644



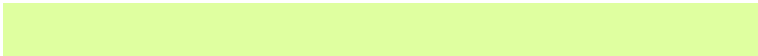
26.4488, 43.5681, 52.5118

# Complementary

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



52.3590, 43.5681, 100.2576



72.5372, 89.7463, 46.7591

# 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.



27.5422, 43.5681, 29.7881



52.3590, 43.5681, 100.2576



39.7218, 43.5681, 13.2077

# Square

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



52.3590, 43.5681, 100.2576



57.1438, 43.5681, 23.9850



32.1051, 43.5681, 17.4636



28.8673, 43.5681, 82.6607



# Rectangle

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



52.3590, 43.5681, 100.2576



61.2046, 43.5681, 51.2854



32.1051, 43.5681, 17.4636



26.4227, 43.5681, 43.7885

# Sweetspot

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



52.3604, 43.5698, 100.2579



80.2300, 80.0320, 105.8269



59.0251, 67.6483, 104.5542



16.8099, 16.6458, 22.5769



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.



52.3604, 43.5698, 100.2579



46.0327, 35.6215, 99.0572



66.2746, 50.7428, 100.9090



17.5796, 17.6750, 22.7350



11.5734, 4.8768, 49.7659



1.2377, 0.5320, 4.8507



# Inverse Universe

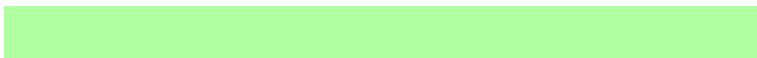
The Inverse Universe completely reimagines the original color for something new.



67.1309, 51.7307, 76.2596



63.0942, 45.0651, 70.5742



59.9730, 83.2693, 46.1711



18.5173, 18.1902, 21.3414



25.3684, 12.6366, 21.1221

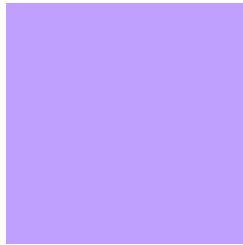


2.5210, 1.2508, 2.3250



# Previews

## White Background



This preview shows how the XYZ color 52.3590, 43.5681, 100.2576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

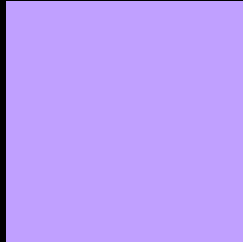
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3590, 43.5681, 100.2576 looks on a black 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 ✓ Pass

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

**XYZ 52.3590, 43.5681, 100.2576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3590, 43.5681, 100.2576.



This preview shows how white text looks on a background with the XYZ color 52.3590, 43.5681,

100.2576.

# 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

52.3590, 43.5681, 100.2576

### Protanopia

45.5805, 43.8817, 100.6754

### Deuteranopia

45.1134, 43.9841, 98.2075



## Tritanopia

43.0355, 43.6062, 53.7256

# Trichromacy



## Original Color

52.3590, 43.5681, 100.2576

## Protanomaly

47.7550, 43.5953, 100.5055

## Deuteranomaly

47.4142, 43.7338, 98.8710

## Tritanomaly

45.8388, 43.3197, 68.2329

# Monochromacy



## Original Color

52.3590, 43.5681, 100.2576

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.9732, 44.5825, 65.2137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3590, 43.5681, 100.2576 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(192, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 160, 255)  
}
```

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(192, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 160, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3590, 43.5681, 100.2576 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(192, 160, 255) }
```



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

```
.border{ border-color:rgb(192, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 160,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3590, 43.5681, 100.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 160, 255) }
```

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

```
.background{ background-color: rgb(192,  
160, 255) }
```

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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