

# Converting Colors

XYZ(53.2550, 52.8845, 93.7871)

Have a look what the booklet for  
XYZ(53.2550, 52.8845, 93.7871)  
contains.

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# Color

**XYZ(53.2550, 52.8845,  
93.7871)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B2BEF5                      |
| RGB         | 178, 190, 245               |
| RGB Percent | 70%, 75%, 96%               |
| CMY         | 0.3019, 0.2549, 0.0392      |
| CMYK        | 0.27, 0.22, 0.00, 0.04      |
| HSL         | 229°, 77%, 83%              |
| HSV         | 229°, 27%, 96%              |
| XYZ         | 53.2550, 52.8845, 93.7871   |
| YIQ         | 192.6820, -24.8070, 14.5610 |

# Conversions

## Conversions Part 2

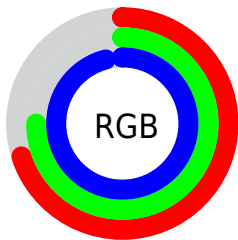
| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">178, 188, 245</a>                                |
| Decimal                             | <a href="#">11714293</a>                                     |
| CIELab                              | <a href="#">77.81, 7.86, -28.56</a>                          |
| CIELCh                              | <a href="#">78, 29.621, 285.394</a>                          |
| Yxy                                 | <a href="#">52.8845, 0.2664, 0.2645</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4289904373</a><br>( <a href="#">0xFFB2BEF5</a> ) |
| YUV                                 | <a href="#">192.6820, 25.7928, -12.8761</a>                  |
| Hunter-Lab                          | <a href="#">72.7217, 3.4547, -25.5594</a>                    |

# Details

The XYZ color **53.2550, 52.8845, 93.7871** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.8318, 80.9052, 53.7933**, and the grayscale version is **50.3673, 52.9903, 57.7065**.

A 20% lighter version of the original color is **85.2667, 90.7937, 107.6386**, and **26.4431, 25.8505, 51.7401** is the 20% darker color. If you saturate the color by 10%, you get **44.0682, 42.1231, 92.1950**, and if you desaturate by 10%, it is **64.0503, 65.3698, 95.6289**.

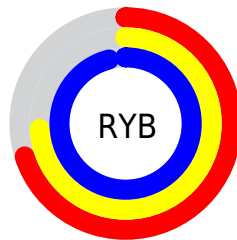
# Distribution



Red (70%)

Green (75%)

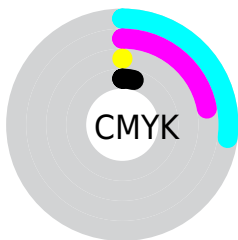
Blue (96%)



Red (70%)

Yellow (74%)

Blue (96%)

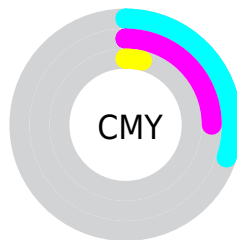


Cyan (27%)

Magenta (22%)

Yellow (0%)

Black (4%)



Cyan (30%)

Magenta (25%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2550, 52.8845, 93.7871 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 53.2550, 52.8845, 93.7871 by changing the saturation by 10% instead.



■ 53.2550, 52.8845,  
93.7871

■ 53.2550, 52.8845,  
93.7871

389.5076,  
397.8418, 561.1595

■ 38.2347, 37.7106,  
70.5346

■ 94.1428, 94.4344,  
154.5690

■ 26.3429, 25.7581,  
51.4830

120.7410,  
121.5791, 192.9355

■ 17.2144, 16.6428,  
36.2137

151.9292,  
153.4830, 237.1770

■ 10.4837, 9.9801,  
24.3083

188.0727,  
190.5302, 287.7121

■ 5.7855, 5.3858,  
15.3482

229.5370,  
233.1054, 344.9594

■ 2.7545, 2.4753,  
8.9148

276.6873,

■ 1.0253, 0.8643,

281.5928, 409.3374

4.5896

329.8890,  
336.3768, 481.2646

■ 0.0000, 0.0000,  
1.9540

■ 0.0000, 0.0000,  
0.5268

■ 53.2550, 52.8845,  
93.7871

■ 53.2550, 52.8845,  
93.7871

■ 44.0682, 42.1231,  
92.1950

■ 64.0503, 65.3698,  
95.6289

■ 36.4067, 33.0028,  
90.8384

■ 76.5213, 79.6442,  
97.7269

■ 30.1877, 25.4432,  
89.7071

■ 90.7379, 95.7774,  
100.0916

■ 25.3184, 19.3548,  
88.7885

■ 93.4816, 99.3726,  
100.6409

■ 21.6944, 14.6383,  
88.0692

■ 19.1955, 11.1815,  
87.5336

■ 17.6706, 8.8499,  
87.1640

■ 17.3780, 8.3855,  
87.0897

# Harmonies

## Analogous

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



47.5306, 52.8845, 93.9432



53.2550, 52.8845, 93.7871



58.5473, 52.8845, 82.7783

# Triad

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



53.2550, 52.8845, 93.7871



58.4284, 52.8845, 37.8672



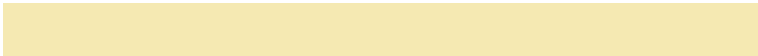
40.3152, 52.8845, 49.9672

# Complementary

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



53.2550, 52.8845, 93.7871



74.8318, 80.9052, 53.7933

# 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.



42.8034, 52.8845, 38.1005



53.2550, 52.8845, 93.7871



53.1025, 52.8845, 32.0726

# Square

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



53.2550, 52.8845, 93.7871



61.6855, 52.8845, 49.5855



47.3893, 52.8845, 32.1489



40.3492, 52.8845, 66.3955



# Rectangle

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



53.2550, 52.8845, 93.7871



60.9926, 52.8845, 71.7851



47.3893, 52.8845, 32.1489



40.8756, 52.8845, 45.3884

# Sweetspot

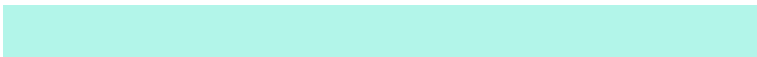
The Sweet Spot groups the original color and five complimentary colors.



53.2567, 52.8866, 93.7883



82.8276, 86.1113, 106.8634



65.6813, 80.6379, 88.9828



17.2661, 17.9037, 22.7957



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.



53.2567, 52.8866, 93.7883



52.3546, 50.9465, 101.6820



56.0140, 50.6068, 93.2029



15.8212, 16.4066, 20.8755



9.4323, 4.6584, 46.9401



0.8944, 0.5403, 4.1474



# Inverse Universe

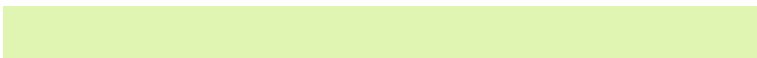
The Inverse Universe completely reimagines the original color for something new.



62.8723, 54.9726, 56.0145



64.6293, 53.8711, 53.4033



71.3628, 84.3330, 54.6378



16.6203, 16.5310, 17.7471



20.5655, 10.5696, 2.4204



1.8405, 0.9422, 0.3867



# Previews

## White Background



This preview shows how the XYZ color 53.2550, 52.8845, 93.7871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

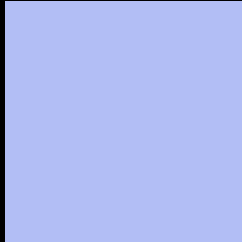
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2550, 52.8845, 93.7871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

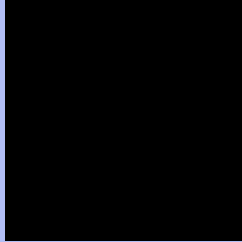
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.2550, 52.8845, 93.7871**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2550, 52.8845, 93.7871.



This preview shows how white text looks on a background with the XYZ color 53.2550, 52.8845,



# 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

53.2550, 52.8845, 93.7871

### Protanopia

53.2550, 52.8845, 93.7871

### Deuteranopia

54.2075, 53.0550, 93.7698



## Tritanopia

48.4182, 52.8912, 69.9445

# Trichromacy



## Original Color

53.2550, 52.8845, 93.7871

## Protanomaly

53.2550, 52.8845, 93.7871

## Deuteranomaly

53.7351, 52.8115, 93.7477

## Tritanomaly

50.2019, 52.9641, 78.0982

# Monochromacy



## Original Color

53.2550, 52.8845, 93.7871

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

51.4723, 53.1441, 69.8323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2550, 52.8845, 93.7871 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(178, 190, 245)` looks like.

```
.text, #text, p{  
    color:rgb(178, 190, 245)  
}
```

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(178, 190, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 190, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2550, 52.8845, 93.7871 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(178, 190, 245) }
```



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

```
.border{ border-color:rgb(178, 190, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 190, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 190, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 190, 245);  
box-shadow:4px 4px 4px 4px rgb(178, 190,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2550, 52.8845, 93.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 190, 245) }
```

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

```
.background{ background-color: rgb(178,  
190, 245) }
```

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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