

Converting Colors

XYZ(52.2826, 76.4416, 93.4214)

Have a look what the booklet for
XYZ(52.2826, 76.4416, 93.4214)
contains.

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Color

**XYZ(52.2571, 76.3502,
93.6442)**

Conversions

Conversions Part 1

Format	Color
Hex	41FB EF
RGB	65, 251, 239
RGB Percent	25%, 98%, 94%
CMY	0.7451, 0.0157, 0.0627
CMYK	0.74, 0.00, 0.05, 0.02
HSL	176°, 96%, 62%
HSV	176°, 74%, 98%
XYZ	52.2571, 76.3502, 93.6442
YIQ	194.0180, -107.0040, -43.1640

Conversions

Conversions Part 2

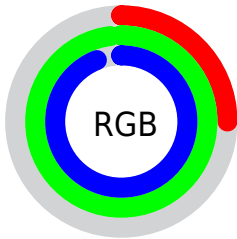
Format	Color
RYB	65, 161, 251
Decimal	4324335
CIELab	90.02, -47.38, -7.40
CIELCh	90, 47.953, 188.878
Yxy	76.3502, 0.2351, 0.3435
Android (android.graphics.Color)	4282514415 (0xFF41FB EF)
YUV	194.0180, 22.1761, -113.1488
Hunter-Lab	87.3786, -46.1600, -2.3764

Details

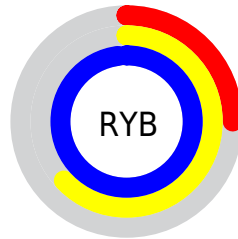
The XYZ color **52.2571, 76.3502, 93.6442** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.0160, 24.8278, 9.5487**, and the grayscale version is **51.2100, 53.8769, 58.6719**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **27.8390, 42.0025, 51.4398** is the 20% darker color. If you saturate the color by 10%, you get **50.7120, 75.5829, 92.3299**, and if you desaturate by 10%, it is **54.5464, 77.5043, 95.0079**.

Distribution



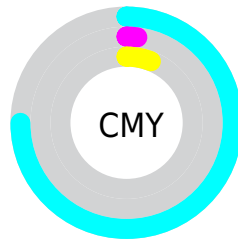
- Red (25%)
- Green (98%)
- Blue (94%)



- Red (25%)
- Yellow (63%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)





- Cyan (75%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2571, 76.3502, 93.6442 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 52.2571, 76.3502, 93.6442 by changing the saturation by 10% instead.


 52.2571, 76.3502,
93.6442


 52.2571, 76.3502,
93.6442

385.7360,
482.5457, 560.6884


 37.4351, 56.7197,
70.4164


 92.6823, 128.2218,
154.3696


 25.7198, 40.7803,
51.3872


 119.0162,
161.2317, 192.7043

 16.7457, 28.1474,
36.1380


 149.9182,
199.4702, 236.9117

 10.1475, 18.4368,
24.2502

 185.7535,
243.3218, 287.4104

 5.5599, 11.2641,
15.3054

226.8877,
293.1707, 344.6188

 2.6175, 6.2447,
8.8850

273.6859,

 0.9549, 2.9945,

349.4013, 408.9557

4.5705

326.5135,
412.3982, 480.8393

■ 0.0000, 1.1288,
1.9432

■ 0.0000, 0.0024,
0.5200

■ 52.2571, 76.3502,
93.6442

■ 52.2571, 76.3502,
93.6442

■ 50.7120, 75.5829,
92.3299

■ 54.5464, 77.5043,
95.0079


■ 49.7981, 75.1391,
91.0546


■ 57.6598, 79.0813,
96.4197


■ 49.4659, 74.9838,
90.3171

■ 61.6743, 81.1226,
97.8850


■ 66.6563, 83.6624,
99.4068

 72.6660, 86.7317,
100.9880

 79.7584, 90.3590,
102.6312

 87.9851, 94.5707,
104.3388

 93.3027, 97.2825,
105.9217

 93.5605, 97.3856,
107.2793

Harmonies

Analogous

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



53.2768, 76.3502, 61.7152



52.2571, 76.3502, 93.6442



56.1979, 76.3502, 131.3301

Triad

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



52.2571, 76.3502, 93.6442



87.8724, 76.3502, 145.1733



81.1157, 76.3502, 35.8193

Complementary

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



52.2571, 76.3502, 93.6442



43.0160, 24.8278, 9.5487

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.



91.8447, 76.3502, 48.4580



52.2571, 76.3502, 93.6442



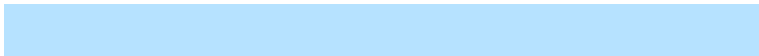
96.0321, 76.3502, 109.0068

Square

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



52.2571, 76.3502, 93.6442



76.1517, 76.3502, 165.9744



97.5601, 76.3502, 73.4382



69.0996, 76.3502, 33.7984

Rectangle

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



52.2571, 76.3502, 93.6442



61.3901, 76.3502, 152.6600



97.5601, 76.3502, 73.4382



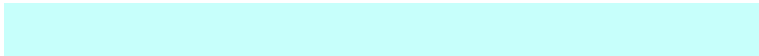
85.0277, 76.3502, 38.7607

Sweetspot

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



52.2594, 76.3531, 93.6460



76.7592, 90.6375, 105.0302



38.5467, 70.9735, 16.6703



16.0310, 19.1964, 22.3835



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.



52.2594, 76.3531, 93.6460



52.0212, 78.0800, 95.0439



34.0450, 36.9918, 96.6158



17.7146, 19.5881, 21.9637



26.0215, 39.4216, 47.5839



2.4242, 3.6568, 4.4818

Inverse Universe

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



43.0160, 24.8278, 9.5487



42.0869, 22.2651, 4.3356



50.9581, 41.3288, 10.2942



17.2900, 17.2434, 18.1170



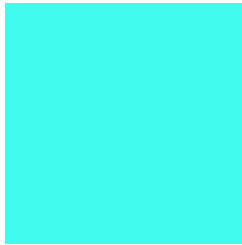
20.9794, 10.8075, 1.3338



1.9584, 1.0071, 0.2046

Previews

White Background



This preview shows how the XYZ color 52.2571, 76.3502, 93.6442 looks on a white background.

Color Contrast Check

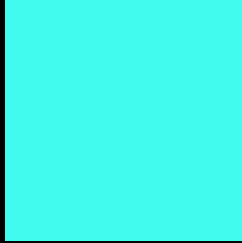
Large Text (above 18pt) WCAG AA × Fail

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 52.2571, 76.3502, 93.6442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

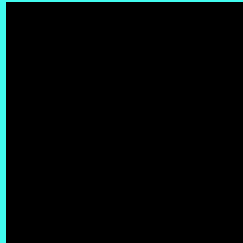
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2571, 76.3502, 93.6442

Background



This preview shows how black text looks on a background with the XYZ color 52.2571, 76.3502, 93.6442.



This preview shows how white text looks on a background with the XYZ color 52.2571, 76.3502,

Color Blindness Simulation

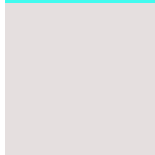
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



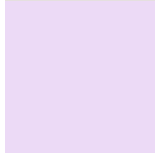
Original Color

52.2571, 76.3502, 93.6442



Protanopia

72.0201, 74.7611, 80.4465



Deuteranopia

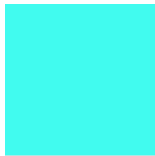
76.2980, 74.6295, 97.5724



Tritanopia

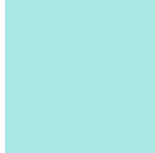
60.7117, 75.4695, 105.9750

Trichromacy



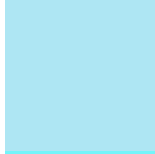
Original Color

52.2571, 76.3502, 93.6442



Protanomaly

59.6440, 72.3700, 84.9540



Deuteranomaly

61.9300, 72.0634, 95.4396



Tritanomaly

56.5198, 75.1858, 101.1559

Monochromacy



Original Color

52.2571, 76.3502, 93.6442



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.9659, 59.4571, 69.9211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2571, 76.3502, 93.6442 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(65, 251, 239)` looks like.

```
.text, #text, p{  
    color:rgb(65, 251, 239)  
}
```

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(65, 251, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 251, 239) }
```

Border

The CSS property to change the border of an element to XYZ 52.2571, 76.3502, 93.6442 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(65, 251, 239) }
```


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

```
.border{ border-color:rgb(65, 251, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 251, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 251, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 251, 239);  
box-shadow:4px 4px 4px 4px rgb(65, 251,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2571, 76.3502, 93.6442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 251, 239) }
```

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

```
.background{ background-color: rgb(65, 251,  
239) }
```

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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