

Converting Colors

XYZ(52.8007, 78.4940, 94.5299)

Have a look what the booklet for
XYZ(52.8007, 78.4940, 94.5299)
contains.

XYZ(52.8534, 78.5151, 94.8073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.8534, 78.5151,
94.8073)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFF0
RGB	51, 255, 240
RGB Percent	20%, 100%, 94%
CMY	0.7999, 0.0000, 0.0588
CMYK	0.80, 0.00, 0.06, 0.00
HSL	176°, 100%, 60%
HSV	176°, 80%, 100%
XYZ	52.8534, 78.5151, 94.8073
YIQ	192.2940, -116.7690, -47.9130

Conversions

Conversions Part 2

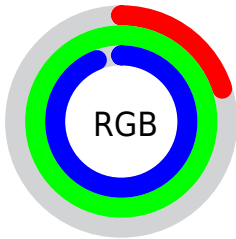
Format	Color
RYB	51, 157, 255
Decimal	3407856
CIELab	91.01, -50.11, -6.47
CIELCh	91, 50.522, 187.362
Yxy	78.5151, 0.2337, 0.3471
Android (android.graphics.Color)	4281597936 (0xFF33FFF0)
YUV	192.2940, 23.5191, -123.9148
Hunter-Lab	88.6087, -48.5935, -1.4115

Details

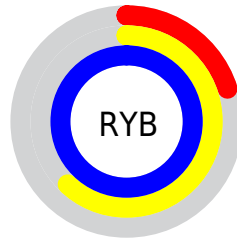
The XYZ color **52.8534, 78.5151, 94.8073** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.4083, 24.0225, 7.5054**, and the grayscale version is **50.1928, 52.8067, 57.5065**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **28.6180, 43.3932, 52.2148** is the 20% darker color. If you saturate the color by 10%, you get **51.6250, 77.9138, 93.3046**, and if you desaturate by 10%, it is **54.7901, 79.4811, 96.3610**.

Distribution



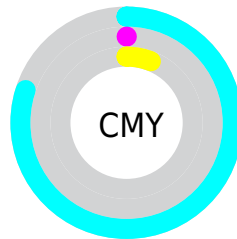
- Red (20%)
- Green (100%)
- Blue (94%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8534, 78.5151, 94.8073 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 52.8534, 78.5151, 94.8073 by changing the saturation by 10% instead.


 52.8534, 78.5151,
94.8073


 52.8534, 78.5151,
94.8073


387.9925,
489.9144, 564.5165


 37.9128, 58.4972,
71.3786


 93.5554, 131.2760,
155.9916


 26.0919, 42.2085,
52.1675


 120.0475,
164.7878, 194.5844

 17.0254, 29.2646,
36.7554


 151.1208,
203.5664, 239.0688

 10.3480, 19.2811,
24.7239

 187.1406,
247.9961, 289.8636

 5.6944, 11.8736,
15.6543

228.4723,
298.4614, 347.3872

 2.6990, 6.6576,
9.1282

275.4813,

 0.9967, 3.2489,

355.3466, 412.0582

4.7269

328.5329,
419.0361, 484.2951

■ 0.0000, 1.2630,
2.0320

■ 0.0000, 0.1123,
0.5749

■ 52.8534, 78.5151,
94.8073

■ 52.8534, 78.5151,
94.8073

■ 51.6250, 77.9138,
93.3046

■ 54.7901, 79.4811,
96.3610

■ 50.9372, 77.5909,
91.8408

■ 57.5327, 80.8623,
97.9660

■ 50.9368, 77.5907,
91.8399

■ 61.1667, 82.7026,
99.6279

■ 65.7658, 85.0402,
101.3501

■ 71.3963, 87.9092,
103.1358

■ 78.1184, 91.3405,
104.9878

■ 85.9877, 95.3629,
106.9088

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.2053, 78.5151, 61.2076



52.8534, 78.5151, 94.8073



56.7839, 78.5151, 135.5796

Triad

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



52.8534, 78.5151, 94.8073



90.5176, 78.5151, 154.3360



84.4682, 78.5151, 35.6746

Complementary

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



52.8534, 78.5151, 94.8073



43.4083, 24.0225, 7.5054

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.



95.8619, 78.5151, 49.5624



52.8534, 78.5151, 94.8073



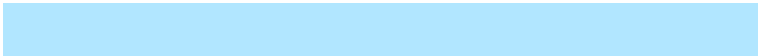
99.6229, 78.5151, 115.4695

Square

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



52.8534, 78.5151, 94.8073



77.8125, 78.5151, 175.7626



101.6824, 78.5151, 76.8033



71.5282, 78.5151, 33.0438

Rectangle

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



52.8534, 78.5151, 94.8073



62.1671, 78.5151, 159.3105



101.6824, 78.5151, 76.8033



88.6478, 78.5151, 38.9405

Sweetspot

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



52.8545, 78.5156, 94.8088



75.2907, 89.8964, 104.2377



38.7428, 72.9886, 15.1800



15.6095, 18.9834, 22.1703



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.



52.8545, 78.5156, 94.8088



51.1738, 77.7003, 92.4218



33.7920, 36.6761, 99.9059



18.4938, 20.4571, 22.9034



26.6399, 40.5526, 48.1167



2.6104, 3.9551, 4.7720

Inverse Universe

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



43.4083, 24.0225, 7.5054



41.5627, 21.5662, 3.0832



50.6433, 39.1101, 8.0136



18.0636, 18.0087, 18.9518



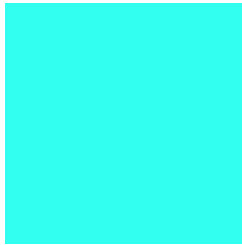
21.6285, 11.1407, 1.4281



2.1238, 1.0919, 0.2334

Previews

White Background



This preview shows how the XYZ color 52.8534, 78.5151, 94.8073 looks on a white background.

Color Contrast Check

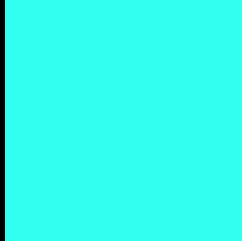
Large Text (above 18pt) WCAG AA × Fail

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 52.8534, 78.5151, 94.8073 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

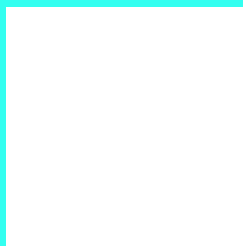
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8534, 78.5151, 94.8073

Background



This preview shows how black text looks on a background with the XYZ color 52.8534, 78.5151, 94.8073.

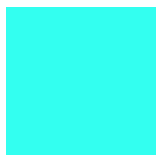


This preview shows how white text looks on a background with the XYZ color 52.8534, 78.5151,

Color Blindness Simulation

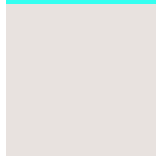
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



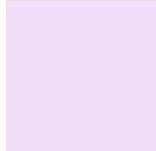
Original Color

52.8534, 78.5151, 94.8073



Protanopia

73.7944, 76.8762, 80.7613



Deuteranopia

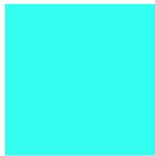
78.5801, 76.9536, 98.7076



Tritanopia

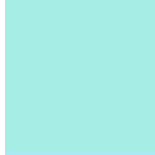
63.5124, 77.7922, 106.2757

Trichromacy



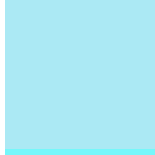
Original Color

52.8534, 78.5151, 94.8073



Protanomaly

60.1529, 74.3325, 85.3060



Deuteranomaly

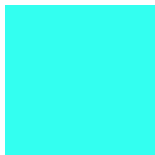
62.2626, 73.4674, 96.4870



Tritanomaly

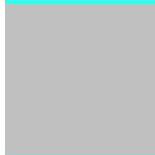
57.9873, 77.2752, 102.3018

Monochromacy



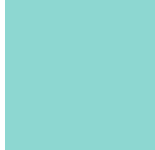
Original Color

52.8534, 78.5151, 94.8073



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.7936, 58.8670, 69.2178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8534, 78.5151, 94.8073 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(51, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 240)  
}
```

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(51, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 52.8534, 78.5151, 94.8073 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(51, 255, 240) }
```


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

```
.border{ border-color:rgb(51, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8534, 78.5151, 94.8073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 240) }
```

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

```
.background{ background-color: rgb(51, 255,  
240) }
```

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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