

Converting Colors

XYZ(52.4849, 78.2182, 99.6210)

Have a look what the booklet for
XYZ(52.4849, 78.2182, 99.6210)
contains.

XYZ(52.4697, 78.2125, 99.5199)	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(52.4697, 78.2125,
99.5199)**

Conversions

Conversions Part 1

Format	Color
Hex	06FFF6
RGB	6, 255, 246
RGB Percent	2%, 100%, 96%
CMY	0.9762, 0.0000, 0.0353
CMYK	0.98, 0.00, 0.04, 0.00
HSL	178°, 100%, 51%
HSV	178°, 98%, 100%
XYZ	52.4697, 78.2125, 99.5199
YIQ	179.5230, -145.5150, -55.5870

Conversions

Conversions Part 2

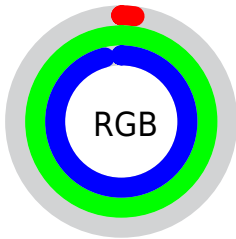
Format	Color
RYB	6, 133, 255
Decimal	458742
CIELab	90.88, -50.51, -9.82
CIELCh	91, 51.456, 191.007
Yxy	78.2125, 0.2279, 0.3398
Android (android.graphics.Color)	4278648822 (0xFF06FFF6)
YUV	179.5230, 32.7732, -152.1797
Hunter-Lab	88.4378, -48.8631, -4.8131

Details

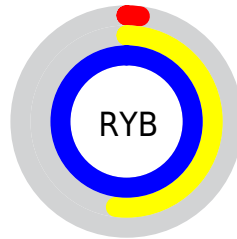
The XYZ color **52.4697, 78.2125, 99.5199** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.3927, 21.4266, 2.4088**, and the grayscale version is **43.0249, 45.2655, 49.2941**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **29.2605, 43.6502, 55.5983** is the 20% darker color. If you saturate the color by 10%, you get **52.3611, 78.1605, 99.3404**, and if you desaturate by 10%, it is **53.1193, 78.5310, 100.2922**.

Distribution



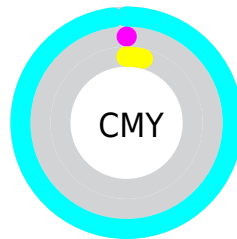
- Red (2%)
- Green (100%)
- Blue (96%)



- Red (2%)
- Yellow (52%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4697, 78.2125, 99.5199 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 52.4697, 78.2125, 99.5199 by changing the saturation by 10% instead.


 52.4697, 78.2125,
99.5199


 52.4697, 78.2125,
99.5199


386.5415,
488.8882, 579.8859


 37.6054, 58.2486,
75.2850


 92.9937, 130.8496,
162.5434

 25.8524, 42.0085,
55.3433


 119.3841,
164.2916, 202.1690

 16.8453, 29.1080,
39.2762


 150.3473,
202.9951, 247.7620

 10.2189, 19.1625,
26.6652

 186.2485,
247.3444, 299.7409

 5.6077, 11.7878,
17.0917

227.4532,
297.7240, 358.5242

 2.6464, 6.5993,
10.1372

274.3267,

 0.9697, 3.2128,

354.5182, 424.5304

5.3833

327.2343,
418.1115, 498.1781

■ 0.0000, 1.2438,
2.4112

■ 0.0000, 0.0971,
0.7925

■ 52.4697, 78.2125,
99.5199

■ 52.4697, 78.2125,
99.5199

■ 52.3611, 78.1605,
99.3404

■ 53.1193, 78.5310,
100.2922

■ 54.3710, 79.1598,
101.0950

■ 56.3526, 80.1648,
101.9355

■ 59.1602, 81.5956,
102.8184

■ 62.8754, 83.4941,
103.7475

■ 67.5699, 85.8974,
104.7261

■ 73.3083, 88.8388,
105.7572

■ 80.1497, 92.3487,
106.8437

■ 88.1487, 96.4553,
107.9880

Harmonies

Analogous

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



53.1848, 78.2125, 63.9880



52.4697, 78.2125, 99.5199



57.0806, 78.2125, 141.0708

Triad

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



52.4697, 78.2125, 99.5199



91.9105, 78.2125, 151.1376



82.7441, 78.2125, 33.9470

Complementary

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



52.4697, 78.2125, 99.5199



41.3927, 21.4266, 2.4088

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.



94.7656, 78.2125, 46.4029



52.4697, 78.2125, 99.5199



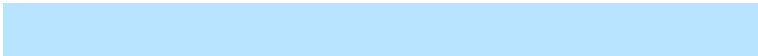
100.4678, 78.2125, 110.5525

Square

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



52.4697, 78.2125, 99.5199



79.1967, 78.2125, 176.1375



101.5695, 78.2125, 72.2527



69.6834, 78.2125, 32.5730

Rectangle

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



52.4697, 78.2125, 99.5199



62.9064, 78.2125, 164.0421



101.5695, 78.2125, 72.2527



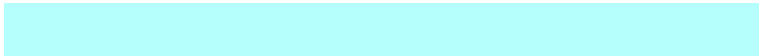
87.0782, 78.2125, 36.7601

Sweetspot

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



52.4709, 78.2131, 99.5214



72.4503, 88.3988, 105.6114



36.0526, 71.6670, 12.1074



14.9690, 18.6450, 22.5103



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.



52.4709, 78.2131, 99.5214



52.3611, 78.1605, 99.3404



27.9462, 26.8994, 98.3269



18.5248, 20.4695, 23.0667



27.3724, 40.8456, 51.9739



2.6737, 3.9804, 5.1054

Inverse Universe

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



41.3927, 21.4266, 2.4088



41.2905, 21.2802, 2.1959



47.7626, 34.2519, 4.2684



18.0360, 17.9977, 18.8067



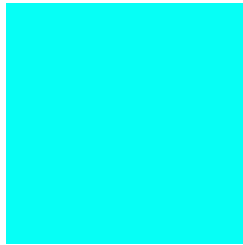
21.5867, 11.1240, 1.2079



2.1108, 1.0867, 0.1647

Previews

White Background



This preview shows how the XYZ color 52.4697, 78.2125, 99.5199 looks on a white background.

Color Contrast Check

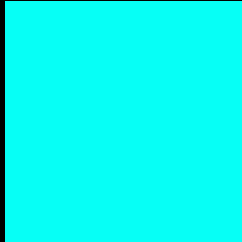
Large Text (above 18pt) WCAG AA × Fail

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 52.4697, 78.2125, 99.5199 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 52.4697, 78.2125, 99.5199

Background



This preview shows how black text looks on a background with the XYZ color 52.4697, 78.2125, 99.5199.

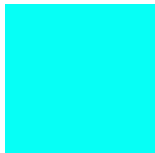


This preview shows how white text looks on a background with the XYZ color 52.4697, 78.2125,

Color Blindness Simulation

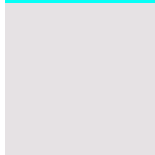
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



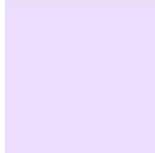
Original Color

52.4697, 78.2125, 99.5199



Protanopia

73.8331, 76.8171, 84.3346



Deuteranopia

78.3379, 76.7015, 104.4420



Tritanopia

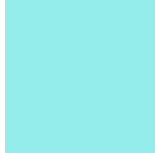
62.9390, 77.4966, 106.2488

Trichromacy



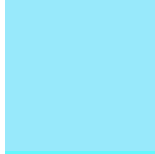
Original Color

52.4697, 78.2125, 99.5199



Protanomaly

57.6740, 72.9561, 89.6395



Deuteranomaly

59.5004, 71.9183, 102.0124



Tritanomaly

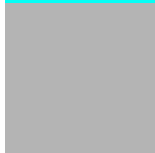
56.0870, 76.2591, 103.8589

Monochromacy



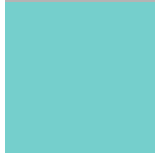
Original Color

52.4697, 78.2125, 99.5199



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.5480, 52.7672, 65.1747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4697, 78.2125, 99.5199 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(6, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 246)  
}
```

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(6, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 52.4697, 78.2125, 99.5199 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(6, 255, 246) }
```


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

```
.border{ border-color:rgb(6, 255, 246) }
```

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

Here you see how a box with a 4 pixel rgb(6, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(6, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4697, 78.2125, 99.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 246) }
```

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

```
.background{ background-color: rgb(6, 255,  
246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor