

Converting Colors

XYZ(52.3923, 78.3804, 90.1287)

Have a look what the booklet for
XYZ(52.3923, 78.3804, 90.1287)
contains.

XYZ(52.4149, 78.3903, 90.2102)	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(52.4149, 78.3903,
90.2102)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFFEA
RGB	59, 255, 234
RGB Percent	23%, 100%, 92%
CMY	0.7686, 0.0000, 0.0823
CMYK	0.77, 0.00, 0.08, 0.00
HSL	174°, 100%, 62%
HSV	174°, 77%, 100%
XYZ	52.4149, 78.3903, 90.2102
YIQ	194.0020, -110.0750, -48.0830

Conversions

Conversions Part 2

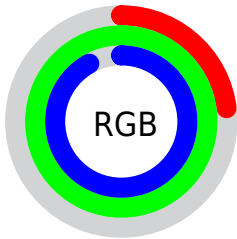
Format	Color
RYB	59, 163, 255
Decimal	3932138
CIELab	90.96, -51.00, -3.43
CIELCh	91, 51.117, 183.851
Yxy	78.3903, 0.2372, 0.3547
Android (android.graphics.Color)	4282122218 (0xFF3BFFEA)
YUV	194.0020, 19.7190, -118.3968
Hunter-Lab	88.5383, -49.2696, 1.5672

Details

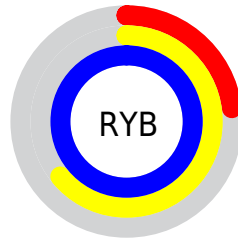
The XYZ color **52.4149, 78.3903, 90.2102** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.2530, 24.9686, 10.0786**, and the grayscale version is **51.2149, 53.8820, 58.6775**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **28.0021, 43.1469, 48.9718** is the 20% darker color. If you saturate the color by 10%, you get **50.8657, 77.6366, 88.1057**, and if you desaturate by 10%, it is **54.7094, 79.5275, 92.3840**.

Distribution



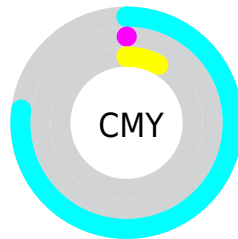
- Red (23%)
- Green (100%)
- Blue (92%)



- Red (23%)
- Yellow (64%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4149, 78.3903, 90.2102 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 52.4149, 78.3903, 90.2102 by changing the saturation by 10% instead.


 52.4149, 78.3903,
90.2102


 52.4149, 78.3903,
90.2102


386.3340,
489.4913, 549.3021


 37.5615, 58.3947,
67.5803


 92.9134, 131.1002,
149.5684


 25.8182, 42.1260,
49.0918


 119.2893,
164.5832, 187.1338

 16.8196, 29.2000,
34.3262


 150.2367,
203.3308, 230.5148

 10.2005, 19.2321,
22.8649

 186.1210,
247.7274, 280.1298

 5.5954, 11.8381,
14.2894

227.3075,
298.1573, 336.3976

 2.6389, 6.6336,
8.1812

274.1616,

 0.9658, 3.2340,

355.0050, 399.7365

4.1217

327.0486,
418.6549, 470.5652

■ 0.0000, 1.2551,
1.6923

■ 0.0000, 0.1060,
0.3555

■ 52.4149, 78.3903,
90.2102

■ 52.4149, 78.3903,
90.2102

■ 50.8657, 77.6366,
88.1057

■ 54.7094, 79.5275,
92.3840

■ 49.9387, 77.2031,
86.0604

■ 57.8410, 81.0954,
94.6272

■ 49.7191, 77.1036,
85.4276

■ 61.8912, 83.1363,
96.9454

■ 66.9313, 85.6867,
99.3419

■ 73.0254, 88.7798,
101.8198

■ 80.2323, 92.4459,
104.3822

■ 88.6063, 96.7128,
107.0315

■ 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.



54.4016, 78.3903, 57.7391



52.4149, 78.3903, 90.2102



55.7625, 78.3903, 131.3098

Triad

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



52.4149, 78.3903, 90.2102



89.1830, 78.3903, 158.9104



85.9721, 78.3903, 36.1788

Complementary

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



52.4149, 78.3903, 90.2102



44.2530, 24.9686, 10.0786

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.



97.0432, 78.3903, 51.6071



52.4149, 78.3903, 90.2102



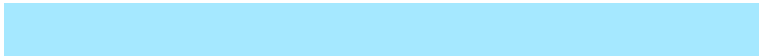
99.0420, 78.3903, 120.6106

Square

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



52.4149, 78.3903, 90.2102



76.1846, 78.3903, 177.5620



102.0713, 78.3903, 80.6747



72.8554, 78.3903, 32.3164

Rectangle

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



52.4149, 78.3903, 90.2102



60.8237, 78.3903, 156.4525



102.0713, 78.3903, 80.6747



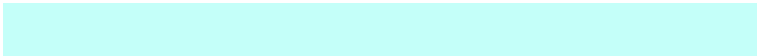
90.1039, 78.3903, 39.9115

Sweetspot

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



52.4159, 78.3908, 90.2117



75.6707, 90.1246, 102.7982



40.0188, 73.6243, 16.2411



15.6654, 19.0203, 21.8069



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.



52.4159, 78.3908, 90.2117



50.3207, 77.3785, 87.0468



36.1497, 40.7409, 100.5662



18.4661, 20.4460, 22.7572



26.0131, 40.3018, 44.8160



2.5558, 3.9333, 4.4849

Inverse Universe

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



44.2530, 24.9686, 10.0786



41.9813, 21.9682, 4.5646



50.5744, 38.6652, 8.9370



18.0885, 18.0187, 19.0830



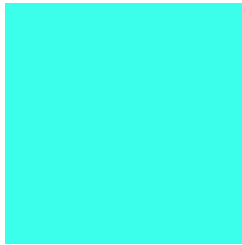
21.6795, 11.1611, 1.6966



2.1356, 1.0966, 0.2952

Previews

White Background



This preview shows how the XYZ color 52.4149, 78.3903, 90.2102 looks on a white background.

Color Contrast Check

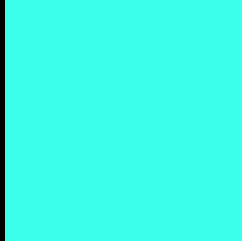
Large Text (above 18pt) WCAG AA × Fail

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 52.4149, 78.3903, 90.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

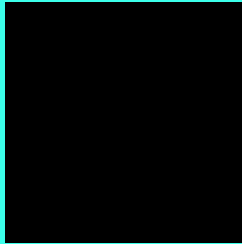
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4149, 78.3903, 90.2102

Background



This preview shows how black text looks on a background with the XYZ color 52.4149, 78.3903, 90.2102.



This preview shows how white text looks on a background with the XYZ color 52.4149, 78.3903,

Color Blindness Simulation

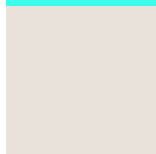
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



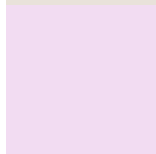
Original Color

52.4149, 78.3903, 90.2102



Protanopia

73.4555, 76.7783, 77.2778



Deuteranopia

78.2382, 76.4744, 94.6419



Tritanopia

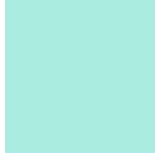
63.7068, 77.8924, 106.2848

Trichromacy



Original Color

52.4149, 78.3903, 90.2102



Protanomaly

60.3163, 74.4962, 81.7212



Deuteranomaly

62.3981, 73.6238, 92.5834



Tritanomaly

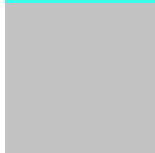
57.9344, 77.3019, 99.8630

Monochromacy



Original Color

52.4149, 78.3903, 90.2102



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.7415, 59.7349, 69.3353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4149, 78.3903, 90.2102 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(59, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 234)  
}
```

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(59, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 52.4149, 78.3903, 90.2102 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(59, 255, 234) }
```


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

```
.border{ border-color:rgb(59, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4149, 78.3903, 90.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 234) }
```

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

```
.background{ background-color: rgb(59, 255,  
234) }
```

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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