

Converting Colors

XYZ(52.5808, 78.4060, 93.3717)

Have a look what the booklet for
XYZ(52.5808, 78.4060, 93.3717)
contains.

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Color

**XYZ(52.5579, 78.3969,
93.2509)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFEE
RGB	51, 255, 238
RGB Percent	20%, 100%, 93%
CMY	0.7999, 0.0000, 0.0667
CMYK	0.80, 0.00, 0.07, 0.00
HSL	175°, 100%, 60%
HSV	175°, 80%, 100%
XYZ	52.5579, 78.3969, 93.2509
YIQ	192.0660, -116.1270, -48.5350

Conversions

Conversions Part 2

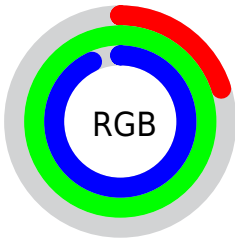
Format	Color
RYB	51, 157, 255
Decimal	3407854
CIELab	90.96, -50.64, -5.52
CIElCh	91, 50.941, 186.216
Yxy	78.3969, 0.2344, 0.3497
Android (android.graphics.Color)	4281597934 (0xFF33FEE)
YUV	192.0660, 22.6455, -123.7149
Hunter-Lab	88.5420, -48.9922, -0.4638

Details

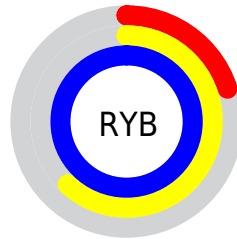
The XYZ color **52.5579, 78.3969, 93.2509** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.4684, 24.0466, 7.8217**, and the grayscale version is **50.0645, 52.6717, 57.3595**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **28.4097, 43.3099, 51.1183** is the 20% darker color. If you saturate the color by 10%, you get **51.2962, 77.7823, 91.5730**, and if you desaturate by 10%, it is **54.5287, 79.3766, 94.9841**.

Distribution



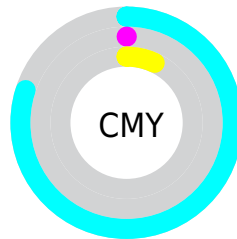
- Red (20%)
- Green (100%)
- Blue (93%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5579, 78.3969, 93.2509 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 52.5579, 78.3969, 93.2509 by changing the saturation by 10% instead.


 52.5579, 78.3969,
93.2509


 52.5579, 78.3969,
93.2509


386.8753,
489.5137, 559.3908


 37.6760, 58.4001,
70.0912


 93.1229, 131.1095,
153.8206


 25.9074, 42.1304,
51.1237


 119.5367,
164.5940, 192.0678

 16.8867, 29.2034,
35.9296


 150.5252,
203.3433, 236.1812

 10.2485, 19.2347,
24.0906

 186.4537,
247.7416, 286.5794

 5.6276, 11.8400,
15.1880

227.6876,
298.1734, 343.6809

 2.6585, 6.6348,
8.8034

274.5923,

 0.9758, 3.2348,

355.0231, 407.9043

4.5181

327.5331,
418.6751, 479.6681

■ 0.0000, 1.2555,
1.9136

■ 0.0000, 0.1064,
0.5014

■ 52.5579, 78.3969,
93.2509

■ 52.5579, 78.3969,
93.2509

■ 51.2962, 77.7823,
91.5730

■ 54.5287, 79.3766,
94.9841

■ 50.5759, 77.4464,
89.9382

■ 57.3062, 80.7717,
96.7729

■ 50.5755, 77.4462,
89.9371

■ 60.9760, 82.6264,
98.6228

■ 65.6117, 84.9786,
100.5374

71.2796, 87.8625,
102.5198

78.0398, 91.3091,
104.5728

85.9482, 95.3471,
106.6992

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.



54.1203, 78.3969, 59.8927



52.5579, 78.3969, 93.2509



56.3100, 78.3969, 134.3463

Triad

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



52.5579, 78.3969, 93.2509



90.0804, 78.3969, 156.0959



84.9256, 78.3969, 35.6142

Complementary

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



52.5579, 78.3969, 93.2509



43.4684, 24.0466, 7.8217

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.



96.2707, 78.3969, 50.0171



52.5579, 78.3969, 93.2509



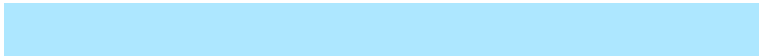
99.4779, 78.3969, 117.1854

Square

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



52.5579, 78.3969, 93.2509



77.2202, 78.3969, 176.7612



101.8641, 78.3969, 77.9290



71.8716, 78.3969, 32.5822

Rectangle

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



52.5579, 78.3969, 93.2509



61.6058, 78.3969, 158.6843



101.8641, 78.3969, 77.9290



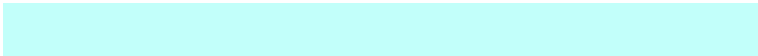
89.1098, 78.3969, 39.0332

Sweetspot

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



52.5590, 78.3974, 93.2524



75.1965, 89.8587, 103.7416



38.7429, 72.9887, 15.1802



15.5865, 18.9742, 22.0488



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.



52.5590, 78.3974, 93.2524



50.8254, 77.5609, 90.5869



33.7921, 36.6763, 99.9059



18.4857, 20.4538, 22.8607



26.4540, 40.4782, 47.1375



2.5942, 3.9486, 4.6870

Inverse Universe

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



43.4684, 24.0466, 7.8217



41.5928, 21.5783, 3.2417



50.6434, 39.1102, 8.0137



18.0708, 18.0116, 18.9900



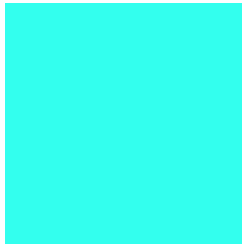
21.6418, 11.1460, 1.4985



2.1272, 1.0933, 0.2515

Previews

White Background



This preview shows how the XYZ color 52.5579, 78.3969, 93.2509 looks on a white background.

Color Contrast Check

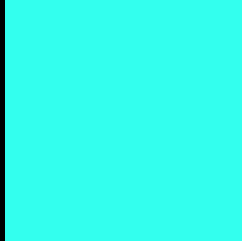
Large Text (above 18pt) WCAG AA × Fail

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 52.5579, 78.3969, 93.2509 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 52.5579, 78.3969, 93.2509

Background



This preview shows how black text looks on a background with the XYZ color 52.5579, 78.3969, 93.2509.

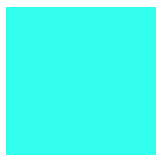


This preview shows how white text looks on a background with the XYZ color 52.5579, 78.3969,

Color Blindness Simulation

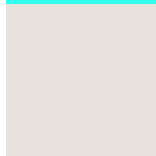
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



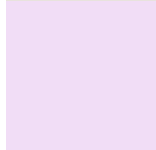
Original Color

52.5579, 78.3969, 93.2509



Protanopia

73.5262, 76.7690, 79.3493



Deuteranopia

78.7666, 77.0675, 97.9128



Tritanopia

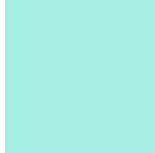
63.5124, 77.7922, 106.2757

Trichromacy



Original Color

52.5579, 78.3969, 93.2509



Protanomaly

59.8752, 74.2214, 83.8435



Deuteranomaly

62.3298, 73.5195, 95.6996



Tritanomaly

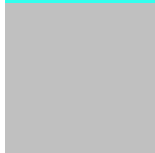
57.8309, 77.2126, 101.4781

Monochromacy



Original Color

52.5579, 78.3969, 93.2509



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 52.5579, 78.3969, 93.2509 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 52.5579, 78.3969, 93.2509 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, 238) }
```


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

```
.border{ border-color:rgb(51, 255, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5579, 78.3969, 93.2509 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, 238) }
```

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

```
.background{ background-color: rgb(51, 255,  
238) }
```

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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