

Converting Colors

XYZ(63.5938, 100.0000,
95.2897)

Have a look what the booklet for
XYZ(63.5938, 100.0000, 95.2897)
contains.

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Color

**XYZ(52.8869, 78.6003,
91.7408)**

Conversions

Conversions Part 1

Format	Color
Hex	3EFFEC
RGB	62, 255, 236
RGB Percent	24%, 100%, 93%
CMY	0.7568, 0.0000, 0.0745
CMYK	0.76, 0.00, 0.07, 0.00
HSL	174°, 100%, 62%
HSV	174°, 76%, 100%
XYZ	52.8869, 78.6003, 91.7408
YIQ	195.1270, -108.9290, -46.8250

Conversions

Conversions Part 2

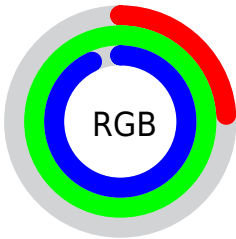
Format	Color
RYB	62, 163, 255
Decimal	4128748
CIELab	91.05, -50.19, -4.33
CIELCh	91, 50.371, 184.926
Yxy	78.6003, 0.2369, 0.3521
Android (android.graphics.Color)	4282318828 (0xFF3EFFEC)
YUV	195.1270, 20.1504, -116.7524
Hunter-Lab	88.6568, -48.6679, 0.7073

Details

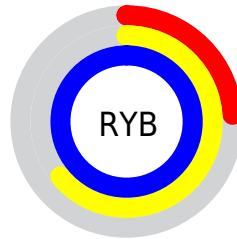
The XYZ color **52.8869, 78.6003, 91.7408** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4488, 25.3007, 10.3273**, and the grayscale version is **51.8793, 54.5810, 59.4387**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **28.2045, 43.2278, 50.0373** is the 20% darker color. If you saturate the color by 10%, you get **51.2839, 77.8157, 89.7765**, and if you desaturate by 10%, it is **55.2464, 79.7741, 93.7701**.

Distribution



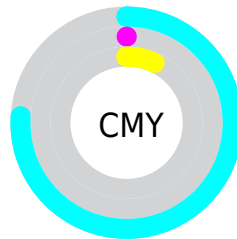
- Red (24%)
- Green (100%)
- Blue (93%)



- Red (24%)
- Yellow (64%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8869, 78.6003, 91.7408 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 52.8869, 78.6003, 91.7408 by changing the saturation by 10% instead.


 52.8869, 78.6003,
91.7408


 52.8869, 78.6003,
91.7408


388.1190,
490.2031, 554.3930


 37.9396, 58.5672,
68.8435


 93.6044, 131.3960,
151.7107


 26.1128, 42.2648,
50.1133


 120.1054,
164.9275, 189.6204

 17.0412, 29.3087,
35.1316


 151.1883,
203.7271, 233.3713

 10.3593, 19.3145,
23.4799

 187.2184,
248.1795, 283.3819

 5.7019, 11.8977,
14.7397

228.5612,
298.6688, 340.0709

 2.7036, 6.6741,
8.4923

275.5820,

 0.9990, 3.2591,

355.5796, 403.8567

4.3193

328.6462,
419.2963, 475.1579

■ 0.0000, 1.2685,
1.8021

■ 0.0000, 0.1166,
0.4293

■ 52.8869, 78.6003,
91.7408

■ 52.8869, 78.6003,
91.7408

■ 51.2839, 77.8157,
89.7765

■ 55.2464, 79.7741,
93.7701

■ 50.3193, 77.3597,
87.8672

■ 58.4521, 81.3837,
95.8645

■ 50.0285, 77.2274,
87.0569

■ 62.5843, 83.4703,
98.0292

■ 67.7134, 86.0702,
100.2677

73.9027, 89.2161,
102.5829

81.2103, 92.9379,
104.9778

89.6903, 97.2634,
107.4550

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.



54.6661, 78.6003, 59.1901



52.8869, 78.6003, 91.7408



56.3898, 78.6003, 132.2912

Triad

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



52.8869, 78.6003, 91.7408



89.6078, 78.6003, 156.8434



85.5626, 78.6003, 36.5129

Complementary

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



52.8869, 78.6003, 91.7408



44.4488, 25.3007, 10.3273

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.



96.6153, 78.6003, 51.4088



52.8869, 78.6003, 91.7408



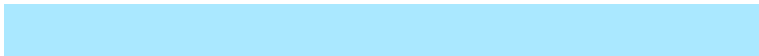
99.1304, 78.6003, 118.8432

Square

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



52.8869, 78.6003, 91.7408



76.8277, 78.6003, 176.0924



101.8296, 78.6003, 79.7059



72.6261, 78.6003, 33.0341

Rectangle

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



52.8869, 78.6003, 91.7408



61.5118, 78.6003, 156.6875



101.8296, 78.6003, 79.7059



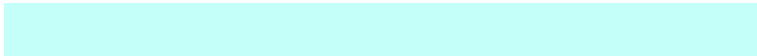
89.6664, 78.6003, 40.0926

Sweetspot

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



52.8879, 78.6007, 91.7422



75.7503, 90.1564, 103.2172



40.0498, 73.6310, 16.6605



15.6850, 19.0281, 21.9101



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.



52.8879, 78.6007, 91.7422



50.6999, 77.5367, 88.7545



35.9189, 40.0076, 100.4369



18.4732, 20.4488, 22.7950



26.1725, 40.3656, 45.6549



2.5697, 3.9388, 4.5581

Inverse Universe

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



44.4488, 25.3007, 10.3273



42.0345, 22.0664, 4.6073



51.3724, 40.1332, 9.5979



18.0820, 18.0161, 19.0490



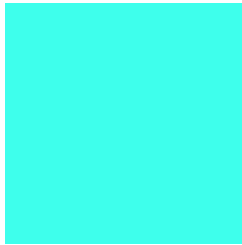
21.6649, 11.1552, 1.6197



2.1325, 1.0954, 0.2792

Previews

White Background



This preview shows how the XYZ color 52.8869, 78.6003, 91.7408 looks on a white background.

Color Contrast Check

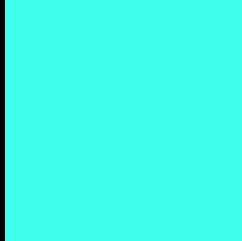
Large Text (above 18pt) WCAG AA × Fail

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 52.8869, 78.6003, 91.7408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

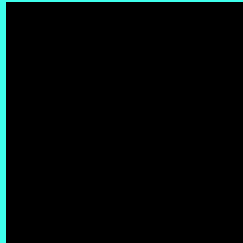
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

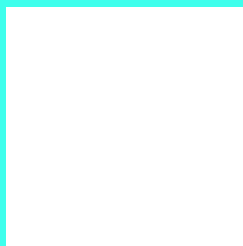
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8869, 78.6003, 91.7408

Background



This preview shows how black text looks on a background with the XYZ color 52.8869, 78.6003, 91.7408.

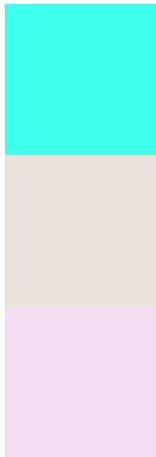


This preview shows how white text looks on a background with the XYZ color 52.8869, 78.6003,

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

52.8869, 78.6003, 91.7408

Protanopia

73.7189, 76.8837, 78.6648

Deuteranopia

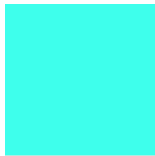
78.6521, 77.0612, 95.5229



Tritanopia

63.9027, 77.9934, 106.2939

Trichromacy



Original Color

52.8869, 78.6003, 91.7408



Protanomaly

60.8062, 74.7173, 83.1686



Deuteranomaly

62.9986, 73.9162, 93.3850



Tritanomaly

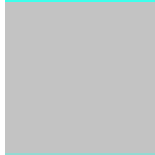
58.3724, 77.5098, 100.6913

Monochromacy



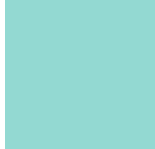
Original Color

52.8869, 78.6003, 91.7408



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.4783, 60.4819, 70.0919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8869, 78.6003, 91.7408 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(62, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 236)  
}
```

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(62, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 52.8869, 78.6003, 91.7408 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(62, 255, 236) }
```


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

```
.border{ border-color:rgb(62, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8869, 78.6003, 91.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 236) }
```

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

```
.background{ background-color: rgb(62, 255,  
236) }
```

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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