

Converting Colors

XYZ(52.6716, 78.3543, 97.8262)

Have a look what the booklet for
XYZ(52.6716, 78.3543, 97.8262)
contains.

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Color

**XYZ(52.6848, 78.3587,
97.9359)**

Conversions

Conversions Part 1

Format	Color
Hex	20FFF4
RGB	32, 255, 244
RGB Percent	13%, 100%, 96%
CMY	0.8744, 0.0000, 0.0431
CMYK	0.87, 0.00, 0.04, 0.00
HSL	177°, 100%, 56%
HSV	177°, 87%, 100%
XYZ	52.6848, 78.3587, 97.9359
YIQ	187.0690, -129.3770, -50.6970

Conversions

Conversions Part 2

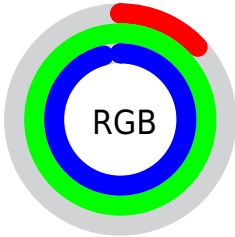
Format	Color
R _Y B	32, 146, 255
Decimal	2162676
CIE Lab	90.94, -50.24, -8.67
CIE LCh	91, 50.980, 189.796
Yxy	78.3587, 0.2301, 0.3422
Android (android.graphics.Color)	4280352756 (0xFF20FFF4)
YUV	187.0690, 28.0670, -135.9955
Hunter-Lab	88.5204, -48.6728, -3.6320

Details

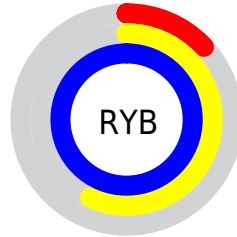
The XYZ color **52.6848, 78.3587, 97.9359** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.1938, 22.4692, 4.4012**, and the grayscale version is **47.1764, 49.6332, 54.0506**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **29.0434, 43.5633, 54.4548** is the 20% darker color. If you saturate the color by 10%, you get **51.9807, 78.0177, 96.9107**, and if you desaturate by 10%, it is **53.9987, 79.0139, 98.9993**.

Distribution



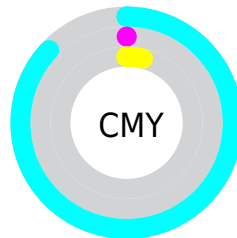
- Red (13%)
- Green (100%)
- Blue (96%)



- Red (13%)
- Yellow (57%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6848, 78.3587, 97.9359 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 52.6848, 78.3587, 97.9359 by changing the saturation by 10% instead.


 52.6848, 78.3587,
97.9359


 52.6848, 78.3587,
97.9359


387.3553,
489.3842, 574.7445


 37.7777, 58.3687,
73.9706

 93.3087, 131.0557,
160.3448

 25.9866, 42.1051,
54.2733


 119.7561,
164.5314, 199.6254

 16.9463, 29.1836,
38.4256


 150.7810,
203.2711, 244.8483

 10.2912, 19.2198,
26.0088

 186.7488,
247.6593, 296.4319

 5.6562, 11.8292,
16.6044

228.0247,
298.0803, 354.7948

 2.6759, 6.6275,
9.7939

274.9742,

 0.9848, 3.2302,

354.9185, 420.3555

5.1587

327.9627,
418.5583, 493.5326

■ 0.0000, 1.2531,
2.2803

■ 0.0000, 0.1044,
0.7202

■ 52.6848, 78.3587,
97.9359

■ 52.6848, 78.3587,
97.9359

■ 51.9807, 78.0177,
96.9107

■ 53.9987, 79.0139,
98.9993

■ 51.8505, 77.9562,
96.6513

■ 56.0439, 80.0459,
100.1023

■ 58.9172, 81.5047,
101.2509

■ 62.7001, 83.4323,
102.4489

67.4641, 85.8655,
103.6997

73.2737, 88.8375,
105.0063

80.1879, 92.3789,
106.3714

88.2612, 96.5176,
107.7978

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.



53.6112, 78.3587, 63.1383



52.6848, 78.3587, 97.9359



57.0596, 78.3587, 139.1047

Triad

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



52.6848, 78.3587, 97.9359



91.4398, 78.3587, 152.0611



83.3416, 78.3587, 34.6471

Complementary

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



52.6848, 78.3587, 97.9359



42.1938, 22.4692, 4.4012

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.



95.1221, 78.3587, 47.5660



52.6848, 78.3587, 97.9359



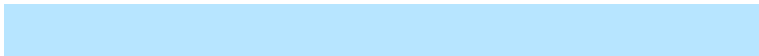
100.1578, 78.3587, 112.1677

Square

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



52.6848, 78.3587, 97.9359



78.7617, 78.3587, 175.7819



101.5778, 78.3587, 73.8356



70.3518, 78.3587, 32.8570

Rectangle

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



52.6848, 78.3587, 97.9359



62.7253, 78.3587, 162.2595



101.5778, 78.3587, 73.8356



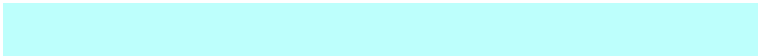
87.6132, 78.3587, 37.6084

Sweetspot

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



52.6860, 78.3593, 97.9374



74.1998, 89.3116, 105.1992



37.0248, 72.1419, 13.3419



15.4132, 18.8765, 22.4181



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.



52.6860, 78.3593, 97.9374



51.8505, 77.9562, 96.6513



30.3119, 30.8581, 98.9664



18.5139, 20.4651, 23.0090



27.1099, 40.7406, 50.5915



2.6510, 3.9713, 4.9862

Inverse Universe

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



42.1938, 22.4692, 4.4012



41.3100, 21.2880, 2.2984



49.8020, 37.9663, 6.0719



18.0457, 18.0016, 18.8578



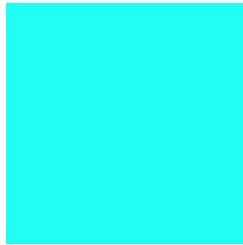
21.6005, 11.1295, 1.2806



2.1154, 1.0885, 0.1889

Previews

White Background



This preview shows how the XYZ color 52.6848, 78.3587, 97.9359 looks on a white background.

Color Contrast Check

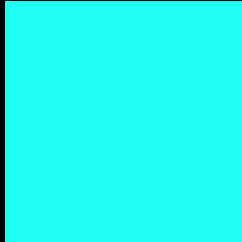
Large Text (above 18pt) WCAG AA × Fail

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 52.6848, 78.3587, 97.9359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

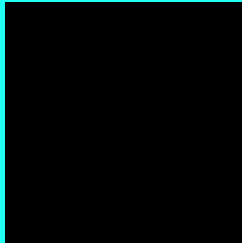
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6848, 78.3587, 97.9359

Background



This preview shows how black text looks on a background with the XYZ color 52.6848, 78.3587, 97.9359.

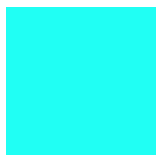


This preview shows how white text looks on a background with the XYZ color 52.6848, 78.3587,

Color Blindness Simulation

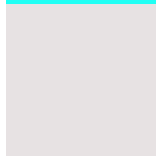
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



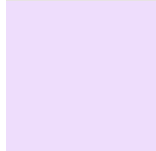
Original Color

52.6848, 78.3587, 97.9359



Protanopia

74.0165, 76.9277, 83.6205



Deuteranopia

78.6870, 76.9183, 102.7949



Tritanopia

63.1286, 77.5943, 106.2577

Trichromacy



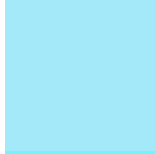
Original Color

52.6848, 78.3587, 97.9359



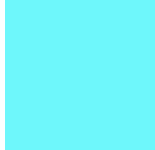
Protanomaly

59.2902, 73.8225, 88.2150



Deuteranomaly

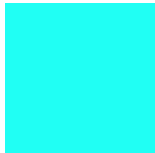
61.3421, 72.9039, 100.4613



Tritanomaly

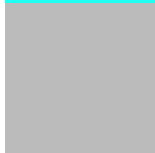
57.1038, 76.8016, 103.0813

Monochromacy



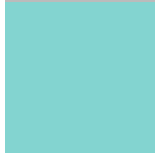
Original Color

52.6848, 78.3587, 97.9359



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.2887, 56.4663, 68.2393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6848, 78.3587, 97.9359 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(32, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(32, 255, 244)  
}
```

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(32, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 52.6848, 78.3587, 97.9359 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(32, 255, 244) }
```


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

```
.border{ border-color:rgb(32, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(32, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6848, 78.3587, 97.9359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 255, 244) }
```

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

```
.background{ background-color: rgb(32, 255,  
244) }
```

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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