

Converting Colors

XYZ(51.7655, 78.0799, 89.0784)

Have a look what the booklet for
XYZ(51.7655, 78.0799, 89.0784)
contains.

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Color

**XYZ(51.8332, 78.1070,
89.4351)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFE9
RGB	51, 255, 233
RGB Percent	20%, 100%, 91%
CMY	0.7999, 0.0000, 0.0863
CMYK	0.80, 0.00, 0.09, 0.00
HSL	174°, 100%, 60%
HSV	174°, 80%, 100%
XYZ	51.8332, 78.1070, 89.4351
YIQ	191.4960, -114.5220, -50.0900

Conversions

Conversions Part 2

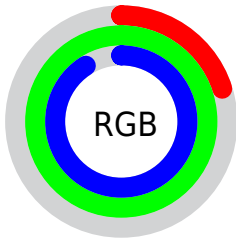
Format	Color
R_{YB}	51, 159, 255
Decimal	3407849
CIE _{Lab}	90.83, -51.97, -3.12
CIE _{LCh}	91, 52.061, 183.431
Yxy	78.1070, 0.2363, 0.3560
Android (android.graphics.Color)	4281597929 (0xFF33FFE9)
YUV	191.4960, 20.4615, -123.2150
Hunter-Lab	88.3782, -49.9727, 1.8657

Details

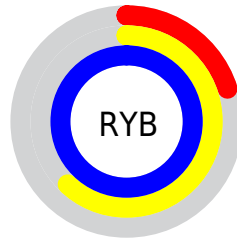
The XYZ color **51.8332, 78.1070, 89.4351** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.6275, 24.1101, 8.6598**, and the grayscale version is **49.7438, 52.3344, 56.9922**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **27.9021, 43.1068, 48.4448** is the 20% darker color. If you saturate the color by 10%, you get **50.4921, 77.4606, 87.3388**, and if you desaturate by 10%, it is **53.8858, 79.1194, 91.5995**.

Distribution



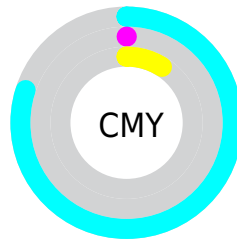
- Red (20%)
- Green (100%)
- Blue (91%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8332, 78.1070, 89.4351 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 51.8332, 78.1070, 89.4351 by changing the saturation by 10% instead.

 51.8332, 78.1070,
89.4351


 51.8332, 78.1070,
89.4351

384.1269,
488.5301, 546.7142


 37.0959, 58.1619,
66.9411

 92.0609, 130.7009,
148.4821


 25.4557, 41.9388,
48.5755


 118.2819,
164.1186, 185.8723

 16.5475, 29.0534,
33.9196

 149.0616,
202.7958, 229.0649

 10.0057, 19.1212,
22.5550

 184.7653,
247.1171, 278.4786

 5.4650, 11.7579,
14.0631

225.7583,
297.4667, 334.5318

 2.5601, 6.5790,
8.0253

272.4060,

 0.9257, 3.2003,

354.2292, 397.6431

4.0231

325.0737,
417.7889, 468.2310

■ 0.0000, 1.2372,
1.6380

■ 0.0000, 0.0917,
0.3177

■ 51.8332, 78.1070,
89.4351

■ 51.8332, 78.1070,
89.4351

■ 50.4921, 77.4606,
87.3388

■ 53.8858, 79.1194,
91.5995

■ 49.6947, 77.0939,
85.2983

■ 56.7476, 80.5482,
93.8325

■ 49.6943, 77.0937,
85.2971

■ 60.5041, 82.4376,
96.1396

■ 65.2290, 84.8255,
98.5244

70.9886, 87.7460,
100.9901

77.8431, 91.2303,
103.5398

85.8481, 95.3070,
106.1761

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.



53.9177, 78.1070, 56.6966



51.8332, 78.1070, 89.4351



55.1447, 78.1070, 131.2841

Triad

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



51.8332, 78.1070, 89.4351



88.9933, 78.1070, 160.5405



86.0798, 78.1070, 35.4776

Complementary

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



51.8332, 78.1070, 89.4351



43.6275, 24.1101, 8.6598

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.



97.2976, 78.1070, 51.1804



51.8332, 78.1070, 89.4351



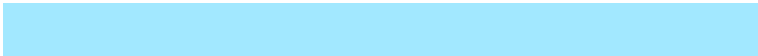
99.1138, 78.1070, 121.5492

Square

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



51.8332, 78.1070, 89.4351



75.7558, 78.1070, 179.2508



102.3169, 78.1070, 80.8014



72.7414, 78.1070, 31.4602

Rectangle

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



51.8332, 78.1070, 89.4351



60.2242, 78.1070, 157.1066



102.3169, 78.1070, 80.8014



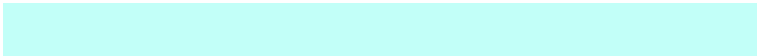
90.2736, 78.1070, 39.2800

Sweetspot

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



51.8342, 78.1075, 89.4365



74.9623, 89.7651, 102.5082



39.2449, 73.2475, 15.2034



15.5291, 18.9512, 21.7470



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.



51.8342, 78.1075, 89.4365



49.9748, 77.2207, 86.1077



35.0997, 39.2917, 100.3418



18.4655, 20.4457, 22.7542



26.0004, 40.2967, 44.7488



2.5547, 3.9328, 4.4790

Inverse Universe

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



43.6275, 24.1101, 8.6598



41.6784, 21.6125, 3.6924



49.7157, 37.2548, 7.7042



18.0890, 18.0189, 19.0857



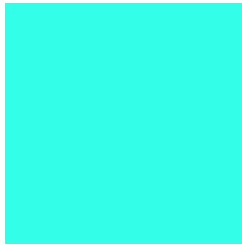
21.6807, 11.1616, 1.7031



2.1358, 1.0967, 0.2965

Previews

White Background



This preview shows how the XYZ color 51.8332, 78.1070, 89.4351 looks on a white background.

Color Contrast Check

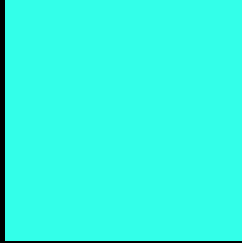
Large Text (above 18pt) WCAG AA × Fail

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 51.8332, 78.1070, 89.4351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

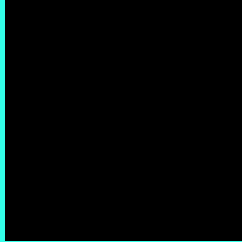
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

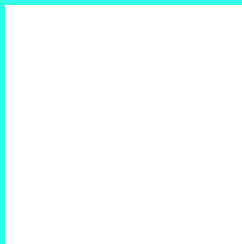
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8332, 78.1070, 89.4351

Background



This preview shows how black text looks on a background with the XYZ color 51.8332, 78.1070, 89.4351.

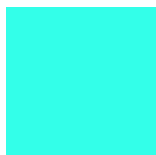


This preview shows how white text looks on a background with the XYZ color 51.8332, 78.1070,

Color Blindness Simulation

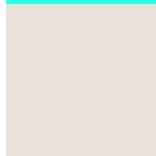
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



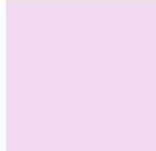
Original Color

51.8332, 78.1070, 89.4351



Protanopia

73.1953, 76.6742, 75.9075



Deuteranopia

78.0883, 76.4145, 93.8529



Tritanopia

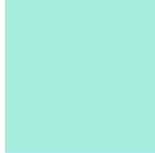
62.8317, 77.0006, 106.1588

Trichromacy



Original Color

51.8332, 78.1070, 89.4351



Protanomaly

59.4054, 74.0578, 80.2708



Deuteranomaly

61.8051, 73.3351, 91.7865



Tritanomaly

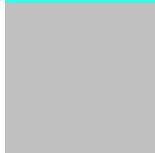
57.0804, 76.4088, 99.7356

Monochromacy



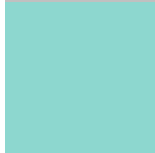
Original Color

51.8332, 78.1070, 89.4351



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.5474, 58.7686, 67.9216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8332, 78.1070, 89.4351 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 51.8332, 78.1070, 89.4351 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, 233) }
```


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

```
.border{ border-color:rgb(51, 255, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8332, 78.1070, 89.4351 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, 233) }
```

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

```
.background{ background-color: rgb(51, 255,  
233) }
```

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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