

Converting Colors

XYZ(62.7689, 100.0000,
92.4651)

Have a look what the booklet for
XYZ(62.7689, 100.0000, 92.4651)
contains.

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Color

**XYZ(51.7937, 78.1031,
88.6895)**

Conversions

Conversions Part 1

Format	Color
Hex	35FFE8
RGB	53, 255, 232
RGB Percent	21%, 100%, 91%
CMY	0.7921, 0.0000, 0.0902
CMYK	0.79, 0.00, 0.09, 0.00
HSL	173°, 100%, 60%
HSV	173°, 79%, 100%
XYZ	51.7937, 78.1031, 88.6895
YIQ	191.9800, -113.0090, -49.9770

Conversions

Conversions Part 2

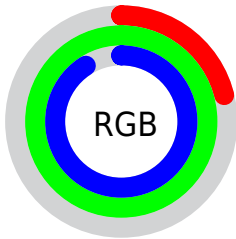
Format	Color
R_{YB}	53, 160, 255
Decimal	3538920
CIE Lab	90.83, -52.06, -2.60
CIE LCh	91, 52.128, 182.856
Yxy	78.1031, 0.2369, 0.3573
Android (android.graphics.Color)	4281729000 (0xFF35FFE8)
YUV	191.9800, 19.7299, -121.8855
Hunter-Lab	88.3760, -50.0460, 2.3628

Details

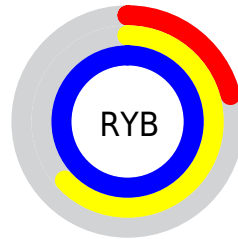
The XYZ color **51.7937, 78.1031, 88.6895** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.8187, 24.3295, 9.2264**, and the grayscale version is **50.0291, 52.6345, 57.3190**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **27.8027, 43.0671, 47.9217** is the 20% darker color. If you saturate the color by 10%, you get **50.3823, 77.4227, 86.4895**, and if you desaturate by 10%, it is **53.9259, 79.1542, 90.9616**.

Distribution



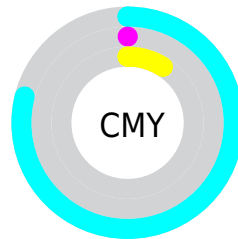
- Red (21%)
- Green (100%)
- Blue (91%)



- Red (21%)
- Yellow (63%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (79%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7937, 78.1031, 88.6895 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 51.7937, 78.1031, 88.6895 by changing the saturation by 10% instead.


 51.7937, 78.1031,
88.6895


 51.7937, 78.1031,
88.6895


383.9767,
488.5169, 544.2183


 37.0643, 58.1587,
66.3267


 92.0029, 130.6955,
147.4363


 25.4312, 41.9362,
48.0795


 118.2135,
164.1122, 184.6573

 16.5290, 29.0514,
33.5294

 148.9818,
202.7884, 227.6681

 9.9925, 19.1197,
22.2579

 184.6731,
247.1087, 276.8873

 5.4562, 11.7568,
13.8464

225.6529,
297.4572, 332.7334

 2.5548, 6.5783,
7.8764

272.2866,

 0.9230, 3.1998,

354.2185, 395.6248

3.9293

324.9394,
417.7769, 465.9803

0.0000, 1.2369,
1.5866

0.0000, 0.0915,
0.2813

51.7937, 78.1031,
88.6895

51.7937, 78.1031,
88.6895

50.3823, 77.4227,
86.4895

53.9259, 79.1542,
90.9616

49.5395, 77.0347,
84.3500

56.8751, 80.6257,
93.3064

49.4827, 77.0091,
84.1830

60.7258, 82.5612,
95.7292

65.5512, 84.9983,
98.2337

71.4168, 87.9709,
100.8231

78.3825, 91.5099,
103.5004

86.5038, 95.6436,
106.2683

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.



53.9836, 78.1031, 56.1692



51.7937, 78.1031, 88.6895



55.0058, 78.1031, 130.5374

Triad

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



51.7937, 78.1031, 88.6895



88.7702, 78.1031, 161.2601



86.3415, 78.1031, 35.6117

Complementary

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



51.7937, 78.1031, 88.6895



43.8187, 24.3295, 9.2264

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.



97.4918, 78.1031, 51.5746



51.7937, 78.1031, 88.6895



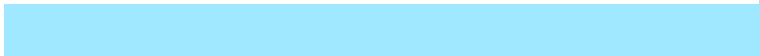
99.0060, 78.1031, 122.4201

Square

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



51.7937, 78.1031, 88.6895



75.4979, 78.1031, 179.4628



102.3699, 78.1031, 81.4940



72.9856, 78.1031, 31.3894

Rectangle

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



51.7937, 78.1031, 88.6895



60.0280, 78.1031, 156.5588



102.3699, 78.1031, 81.4940



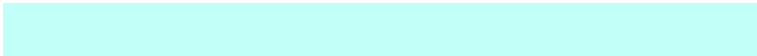
90.5227, 78.1031, 39.4930

Sweetspot

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



51.7947, 78.1036, 88.6909



74.9050, 89.7422, 102.2068



39.4297, 73.3375, 15.4473



15.5152, 18.9456, 21.6734



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.



51.7947, 78.1036, 88.6909



49.8451, 77.1728, 85.2441



35.3544, 39.6481, 100.3972



18.4605, 20.4437, 22.7281



25.8914, 40.2532, 44.1750



2.5452, 3.9290, 4.4289

Inverse Universe

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



43.8187, 24.3295, 9.2264



41.7694, 21.6970, 4.0237



49.9245, 37.6004, 7.9962



18.0935, 18.0207, 19.1093



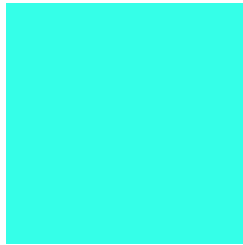
21.6915, 11.1659, 1.7597



2.1379, 1.0975, 0.3076

Previews

White Background



This preview shows how the XYZ color 51.7937, 78.1031, 88.6895 looks on a white background.

Color Contrast Check

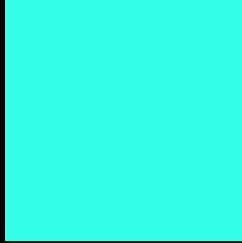
Large Text (above 18pt) WCAG AA × Fail

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 51.7937, 78.1031, 88.6895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

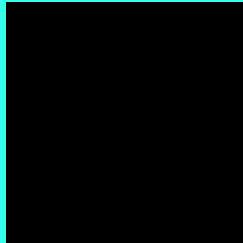
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7937, 78.1031, 88.6895

Background



This preview shows how black text looks on a background with the XYZ color 51.7937, 78.1031, 88.6895.



This preview shows how white text looks on a background with the XYZ color 51.7937, 78.1031,

Color Blindness Simulation

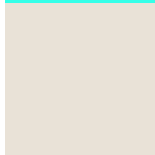
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



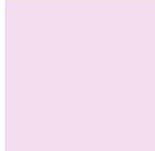
Original Color

51.7937, 78.1031, 88.6895



Protanopia

73.0664, 76.6226, 75.2286



Deuteranopia

78.2835, 76.5324, 93.0843



Tritanopia

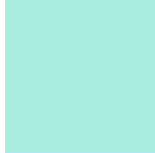
62.8317, 77.0006, 106.1588

Trichromacy



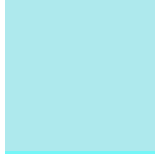
Original Color

51.7937, 78.1031, 88.6895



Protanomaly

59.4838, 74.1137, 79.5769



Deuteranomaly

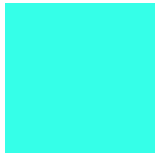
61.8805, 73.3909, 91.0252



Tritanomaly

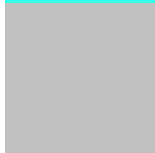
57.0804, 76.4088, 99.7356

Monochromacy



Original Color

51.7937, 78.1031, 88.6895



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 51.7937, 78.1031, 88.6895 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(53, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 232)  
}
```

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(53, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.7937, 78.1031, 88.6895 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(53, 255, 232) }
```


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

```
.border{ border-color:rgb(53, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7937, 78.1031, 88.6895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 232) }
```

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

```
.background{ background-color: rgb(53, 255,  
232) }
```

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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