

Converting Colors

XYZ(53.4631, 78.4833, 91.5450)

Have a look what the booklet for
XYZ(53.4631, 78.4833, 91.5450)
contains.

XYZ(53.4838, 78.4356, 91.6776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.4838, 78.4356,
91.6776)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFEEC
RGB	75, 254, 236
RGB Percent	29%, 100%, 93%
CMY	0.7058, 0.0039, 0.0745
CMYK	0.70, 0.00, 0.07, 0.00
HSL	174°, 99%, 65%
HSV	174°, 70%, 100%
XYZ	53.4838, 78.4356, 91.6776
YIQ	198.4270, -100.9060, -43.5460

Conversions

Conversions Part 2

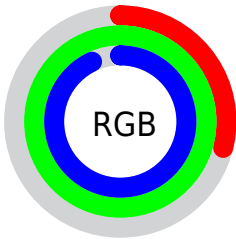
Format	Color
R _Y B	75, 169, 254
Decimal	4980460
CIE Lab	90.98, -48.32, -4.41
CIE LCh	91, 48.522, 185.215
Yxy	78.4356, 0.2392, 0.3508
Android (android.graphics.Color)	4283170540 (0xFF4BFEEC)
YUV	198.4270, 18.5235, -108.2455
Hunter-Lab	88.5639, -47.1905, 0.6202

Details

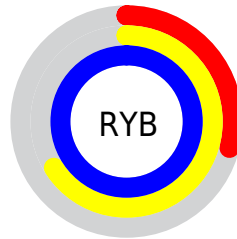
The XYZ color **53.4838, 78.4356, 91.6776** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.3676, 26.8956, 13.1590**, and the grayscale version is **53.8738, 56.6795, 61.7240**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **27.9781, 42.7751, 49.9618** is the 20% darker color. If you saturate the color by 10%, you get **51.5113, 77.4631, 89.6632**, and if you desaturate by 10%, it is **56.2586, 79.8247, 93.7608**.

Distribution



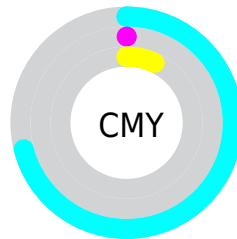
- Red (29%)
- Green (100%)
- Blue (93%)



- Red (29%)
- Yellow (66%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4838, 78.4356, 91.6776 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 53.4838, 78.4356, 91.6776 by changing the saturation by 10% instead.


 53.4838, 78.4356,
91.6776


 53.4838, 78.4356,
91.6776


390.3691,
489.6449, 554.1833


 38.4182, 58.4319,
68.7913

 94.4772, 131.1640,
151.6223

 26.4861, 42.1560,
50.0711


 121.1357,
164.6575, 189.5178

 17.3222, 29.2234,
35.0983


 152.3892,
203.4163, 233.2535

 10.5612, 19.2499,
23.4545

 188.6031,
247.8249, 283.2479

 5.8377, 11.8510,
14.7210

230.1426,
298.2677, 339.9195

 2.7864, 6.6423,
8.4794

277.3732,

 1.0418, 3.2394,

355.1290, 403.6869

4.3110

330.6603,
418.7933, 474.9687

■ 0.0000, 1.2580,
1.7975

■ 0.0000, 0.1083,
0.4263

■ 53.4838, 78.4356,
91.6776

■ 53.4838, 78.4356,
91.6776

■ 51.5113, 77.4631,
89.6632

■ 56.2586, 79.8247,
93.7608

■ 50.2334, 76.8463,
87.7071

■ 59.9132, 81.6649,
95.9113

■ 49.5103, 76.5130,
85.8915

■ 64.5232, 83.9970,
98.1344

■ 70.1546, 86.8550,
100.4333

■ 76.8672, 90.2699,
102.8111

■ 84.7165, 94.2700,
105.2703

■ 93.7538, 98.8820,
107.8134

■ 94.7330, 99.3661,
108.7943

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1602, 78.4356, 60.1494



53.4838, 78.4356, 91.6776



56.9288, 78.4356, 130.4645

Triad

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



53.4838, 78.4356, 91.6776



88.9621, 78.4356, 153.1522



84.8581, 78.4356, 37.6618

Complementary

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



53.4838, 78.4356, 91.6776



45.3676, 26.8956, 13.1590

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.



95.4785, 78.4356, 52.1339



53.4838, 78.4356, 91.6776



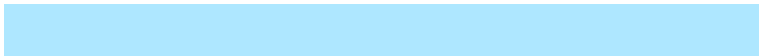
98.0238, 78.4356, 116.8887

Square

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



53.4838, 78.4356, 91.6776



76.7105, 78.4356, 171.6457



100.5297, 78.4356, 79.4215



72.4318, 78.4356, 34.3300

Rectangle

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



53.4838, 78.4356, 91.6776



61.9143, 78.4356, 153.5818



100.5297, 78.4356, 79.4215



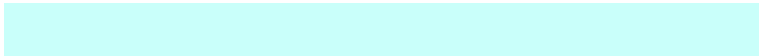
88.7991, 78.4356, 41.1452

Sweetspot

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



53.4861, 78.4386, 91.6795



77.1634, 90.8779, 103.5999



41.5260, 73.8752, 18.7291



16.0953, 19.2374, 22.0314



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.



53.4861, 78.4386, 91.6795



51.3053, 77.8315, 89.5601



38.2231, 43.5135, 100.1536



18.4715, 20.4481, 22.7857



26.1332, 40.3499, 45.4484



2.5663, 3.9375, 4.5401

Inverse Universe

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



45.3676, 26.8956, 13.1590



42.7580, 22.9890, 6.4655



52.0613, 41.4126, 11.9080



18.0836, 18.0167, 19.0573



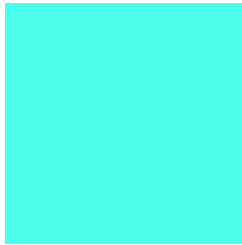
21.6683, 11.1566, 1.6380



2.1333, 1.0957, 0.2832

Previews

White Background



This preview shows how the XYZ color 53.4838, 78.4356, 91.6776 looks on a white background.

Color Contrast Check

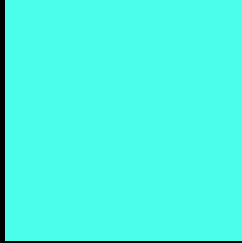
Large Text (above 18pt) WCAG AA × Fail

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 53.4838, 78.4356, 91.6776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

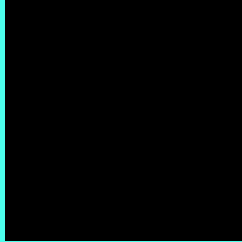
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.4838, 78.4356, 91.6776

Background



This preview shows how black text looks on a background with the XYZ color 53.4838, 78.4356, 91.6776.

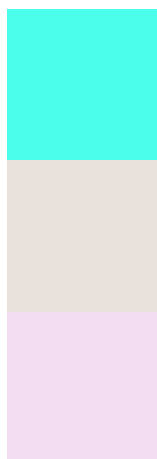


This preview shows how white text looks on a background with the XYZ color 53.4838, 78.4356,

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

53.4838, 78.4356, 91.6776

Protanopia

73.7189, 76.8837, 78.6648

Deuteranopia

78.6521, 77.0612, 95.5229



Tritanopia

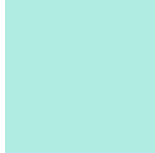
63.6058, 77.3997, 106.1950

Trichromacy



Original Color

53.4838, 78.4356, 91.6776



Protanomaly

61.6274, 74.7120, 83.1243



Deuteranomaly

63.9231, 74.3929, 93.4282



Tritanomaly

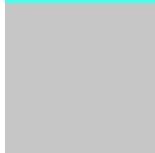
58.8011, 77.2780, 100.6239

Monochromacy



Original Color

53.4838, 78.4356, 91.6776



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.0919, 61.6686, 71.5505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4838, 78.4356, 91.6776 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(75, 254, 236)` looks like.

```
.text, #text, p{  
    color:rgb(75, 254, 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(75, 254, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 254, 236) }
```

Border

The CSS property to change the border of an element to XYZ 53.4838, 78.4356, 91.6776 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(75, 254, 236) }
```


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

```
.border{ border-color:rgb(75, 254, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 254, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 254, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 254, 236);  
box-shadow:4px 4px 4px 4px rgb(75, 254,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4838, 78.4356, 91.6776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 254, 236) }
```

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

```
.background{ background-color: rgb(75, 254,  
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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