

Converting Colors

XYZ(51.3510, 77.7999, 91.8087)

Have a look what the booklet for
XYZ(51.3510, 77.7999, 91.8087)
contains.

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Color

**XYZ(51.3263, 77.7957,
91.6678)**

Conversions

Conversions Part 1

Format	Color
Hex	1AFFEC
RGB	26, 255, 236
RGB Percent	10%, 100%, 93%
CMY	0.8979, 0.0000, 0.0745
CMYK	0.90, 0.00, 0.07, 0.00
HSL	175°, 100%, 55%
HSV	175°, 90%, 100%
XYZ	51.3263, 77.7957, 91.6678
YIQ	184.3630, -130.3850, -54.4570

Conversions

Conversions Part 2

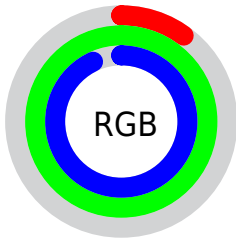
Format	Color
R _Y B	26, 145, 255
Decimal	1769452
CIE Lab	90.69, -52.69, -4.91
CIE LCh	91, 52.919, 185.320
Yxy	77.7957, 0.2325, 0.3524
Android (android.graphics.Color)	4279959532 (0xFF1AFFEC)
YUV	184.3630, 25.4570, -138.8844
Hunter-Lab	88.2019, -50.4808, 0.1215

Details

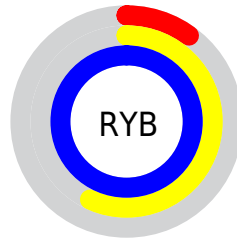
The XYZ color **51.3263, 77.7957, 91.6678** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.0843, 22.1898, 4.5505**, and the grayscale version is **45.6807, 48.0596, 52.3369**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **28.2045, 43.2278, 50.0373** is the 20% darker color. If you saturate the color by 10%, you get **50.6016, 77.4574, 90.0399**, and if you desaturate by 10%, it is **52.6021, 78.4176, 93.3433**.

Distribution



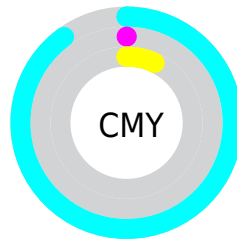
- Red (10%)
- Green (100%)
- Blue (93%)



- Red (10%)
- Yellow (57%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3263, 77.7957, 91.6678 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 51.3263, 77.7957, 91.6678 by changing the saturation by 10% instead.

 51.3263, 77.7957,
91.6678


 51.3263, 77.7957,
91.6678


382.1970,
487.4727, 554.1508


 36.6905, 57.9062,
68.7833


 91.3170, 130.2621,
151.6086


 25.1405, 41.7332,
50.0646


 117.4026,
163.6077, 189.5019

 16.3110, 28.8925,
35.0931


 148.0356,
202.2075, 233.2352

 9.8368, 18.9995,
23.4505

 183.5811,
246.4459, 283.2271

 5.3523, 11.6699,
14.7181

224.4047,
296.7072, 339.8960

 2.4923, 6.5193,
8.4774

270.8716,

 0.8914, 3.1634,

353.3758, 403.6606

4.3098

323.3473,
416.8362, 474.9394

■ 0.0000, 1.2176,
1.7968

■ 0.0000, 0.0760,
0.4258

■ 51.3263, 77.7957,
91.6678

■ 51.3263, 77.7957,
91.6678

■ 50.6016, 77.4574,
90.0399

■ 52.6021, 78.4176,
93.3433

■ 50.5886, 77.4514,
90.0063

■ 54.5859, 79.4042,
95.0696

■ 57.3794, 80.8077,
96.8529

■ 61.0666, 82.6715,
98.6973

65.7212, 85.0336,
100.6062

71.4091, 87.9280,
102.5828

78.1906, 91.3857,
104.6300

86.1212, 95.4354,
106.7504

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.



53.0879, 77.7957, 57.7006



51.3263, 77.7957, 91.6678



55.0085, 77.7957, 134.3938

Triad

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



51.3263, 77.7957, 91.6678



89.7047, 77.7957, 159.4556



85.1215, 77.7957, 34.1286

Complementary

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



51.3263, 77.7957, 91.6678



42.0843, 22.1898, 4.5505

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.



96.7879, 77.7957, 49.0794



51.3263, 77.7957, 91.6678



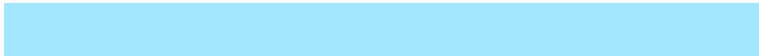
99.6480, 77.7957, 119.0458

Square

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



51.3263, 77.7957, 91.6678



76.3349, 77.7957, 180.3424



102.3834, 77.7957, 78.1065



71.6006, 77.7957, 30.7739

Rectangle

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



51.3263, 77.7957, 91.6678



60.3481, 77.7957, 160.1718



102.3834, 77.7957, 78.1065



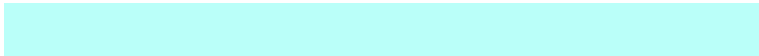
89.4389, 77.7957, 37.6878

Sweetspot

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



51.3274, 77.7963, 91.6693



73.1899, 88.8354, 103.1471



37.0339, 72.1551, 12.9545



15.2020, 18.7782, 21.9302



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.



51.3274, 77.7963, 91.6693



50.5886, 77.4514, 90.0063



30.9777, 32.4418, 99.2369



18.4860, 20.4539, 22.8623



26.4608, 40.4809, 47.1732



2.5948, 3.9489, 4.6901

Inverse Universe

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



42.0843, 22.1898, 4.5505



41.3768, 21.3147, 2.6505



48.3171, 35.1153, 5.2104



18.0705, 18.0115, 18.9886



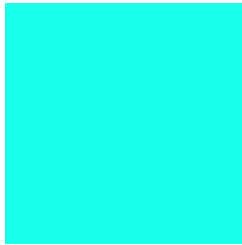
21.6413, 11.1458, 1.4958



2.1271, 1.0932, 0.2508

Previews

White Background



This preview shows how the XYZ color 51.3263, 77.7957, 91.6678 looks on a white background.

Color Contrast Check

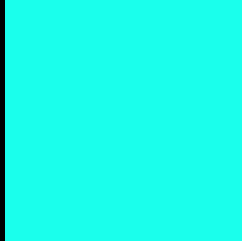
Large Text (above 18pt) WCAG AA × Fail

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 51.3263, 77.7957, 91.6678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

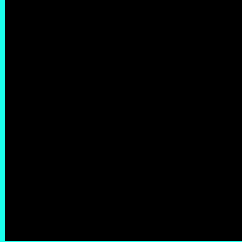
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3263, 77.7957, 91.6678

Background



This preview shows how black text looks on a background with the XYZ color 51.3263, 77.7957, 91.6678.



This preview shows how white text looks on a background with the XYZ color 51.3263, 77.7957,

Color Blindness Simulation

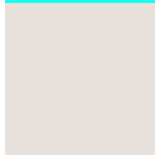
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



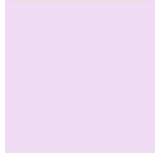
Original Color

51.3263, 77.7957, 91.6678



Protanopia

72.9901, 76.1207, 77.8636



Deuteranopia

77.8575, 76.2433, 96.2008



Tritanopia

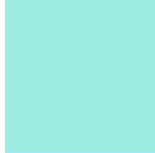
62.2678, 76.7099, 106.1324

Trichromacy



Original Color

51.3263, 77.7957, 91.6678



Protanomaly

57.4907, 72.5952, 82.2164



Deuteranomaly

59.9164, 72.3101, 94.0184



Tritanomaly

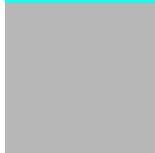
55.8429, 75.7530, 100.4855

Monochromacy



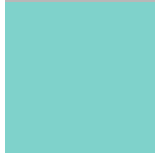
Original Color

51.3263, 77.7957, 91.6678



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.5785, 54.9170, 64.8558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3263, 77.7957, 91.6678 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(26, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.3263, 77.7957, 91.6678 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(26, 255, 236) }
```


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

```
.border{ border-color:rgb(26, 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(26, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3263, 77.7957, 91.6678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 236) }
```

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

```
.background{ background-color: rgb(26, 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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