

Converting Colors

XYZ(50.4229, 77.4329, 86.9763)

Have a look what the booklet for
XYZ(50.4229, 77.4329, 86.9763)
contains.

XYZ(50.4689, 77.4528, 87.1528)	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(50.4689, 77.4528,
87.1528)**

Conversions

Conversions Part 1

Format	Color
Hex	1AFFE6
RGB	26, 255, 230
RGB Percent	10%, 100%, 90%
CMY	0.8979, 0.0000, 0.0980
CMYK	0.90, 0.00, 0.10, 0.00
HSL	173°, 100%, 55%
HSV	173°, 90%, 100%
XYZ	50.4689, 77.4528, 87.1528
YIQ	183.6790, -128.4590, -56.3230

Conversions

Conversions Part 2

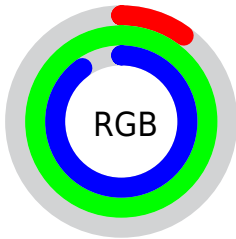
Format	Color
R _Y B	26, 147, 255
Decimal	1769446
CIE Lab	90.53, -54.29, -2.02
CIE LCh	91, 54.332, 182.136
Yxy	77.4528, 0.2347, 0.3601
Android (android.graphics.Color)	4279959526 (0xFF1AFFE6)
YUV	183.6790, 22.8363, -138.2845
Hunter-Lab	88.0073, -51.6496, 2.8907

Details

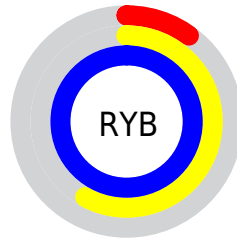
The XYZ color **50.4689, 77.4528, 87.1528** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.2081, 22.2393, 5.2029**, and the grayscale version is **45.3160, 47.6759, 51.9191**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **27.7041, 43.0277, 47.4024** is the 20% darker color. If you saturate the color by 10%, you get **49.6618, 77.0815, 85.0916**, and if you desaturate by 10%, it is **51.8294, 78.1085, 89.2753**.

Distribution



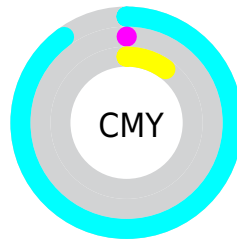
- Red (10%)
- Green (100%)
- Blue (90%)



- Red (10%)
- Yellow (58%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4689, 77.4528, 87.1528 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 50.4689, 77.4528, 87.1528 by changing the saturation by 10% instead.


 50.4689, 77.4528,
87.1528


 50.4689, 77.4528,
87.1528


378.9186,
486.3065, 539.0541


 36.0054, 57.6246,
65.0613


 90.0569, 129.7785,
145.2778


 24.6085, 41.5069,
47.0591


 115.9122,
163.0447, 182.1485

 15.9128, 28.7154,
32.7277


 146.2954,
201.5590, 224.7826

 9.5529, 18.8656,
21.6485

 181.5719,
245.7059, 273.5987

 5.1635, 11.5732,
13.4030

222.1072,
295.8697, 329.0154

 2.3793, 6.4538,
7.5727

268.2665,

 0.8348, 3.1229,

352.4348, 391.4511

3.7389

320.4151,
415.7856, 461.3245

■ 0.0000, 1.1962,
1.4832

■ 0.0000, 0.0586,
0.2054

■ 50.4689, 77.4528,
87.1528

■ 50.4689, 77.4528,
87.1528

■ 49.6618, 77.0815,
85.0916


■ 51.8294, 78.1085,
89.2753


■ 49.6473, 77.0749,
85.0494


■ 53.9007, 79.1301,
91.4624


■ 56.7841, 80.5696,
93.7204

■ 60.5640, 82.4704,
96.0533

 65.3139, 84.8706,
98.4649

 71.0999, 87.8042,
100.9583

 77.9821, 91.3022,
103.5365

 86.0160, 95.3932,
106.2022

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.



52.8469, 77.4528, 53.9675



50.4689, 77.4528, 87.1528



53.6315, 77.4528, 130.7346

Triad

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



50.4689, 77.4528, 87.1528



88.4100, 77.4528, 164.9063



86.5179, 77.4528, 33.9645

Complementary

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



50.4689, 77.4528, 87.1528



42.2081, 22.2393, 5.2029

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.



98.0360, 77.4528, 50.4591



50.4689, 77.4528, 87.1528



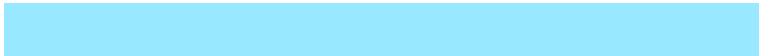
99.2195, 77.4528, 124.3703

Square

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



50.4689, 77.4528, 87.1528



74.5947, 77.4528, 183.4066



102.9397, 77.4528, 81.5746



72.6470, 77.4528, 29.4745

Rectangle

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



50.4689, 77.4528, 87.1528



58.7137, 77.4528, 158.2883



102.9397, 77.4528, 81.5746



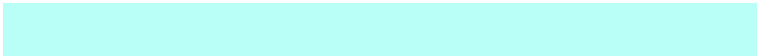
90.8492, 77.4528, 37.9733

Sweetspot

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



50.4699, 77.4533, 87.1542



72.9094, 88.7232, 101.6698



37.4014, 72.3446, 12.9715



15.1346, 18.7513, 21.5756



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.



50.4699, 77.4533, 87.1542



49.6473, 77.0749, 85.0494



32.3371, 35.1607, 99.6901



18.4644, 20.4453, 22.7484



25.9762, 40.2871, 44.6212



2.5526, 3.9320, 4.4679

Inverse Universe

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



42.2081, 22.2393, 5.2029



41.4477, 21.3431, 3.0237



47.4216, 33.3243, 4.9117



18.0900, 18.0193, 19.0910



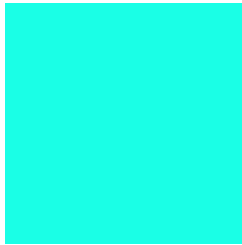
21.6830, 11.1625, 1.7154



2.1363, 1.0969, 0.2990

Previews

White Background



This preview shows how the XYZ color 50.4689, 77.4528, 87.1528 looks on a white background.

Color Contrast Check

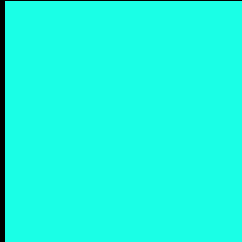
Large Text (above 18pt) WCAG AA × Fail

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 50.4689, 77.4528, 87.1528 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 50.4689, 77.4528, 87.1528

Background



This preview shows how black text looks on a background with the XYZ color 50.4689, 77.4528, 87.1528.

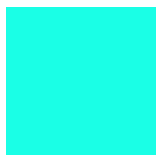


This preview shows how white text looks on a background with the XYZ color 50.4689, 77.4528,

Color Blindness Simulation

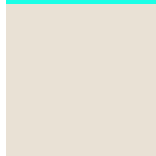
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



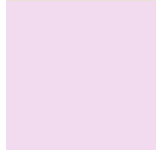
Original Color

50.4689, 77.4528, 87.1528



Protanopia

72.5397, 75.9782, 73.7928



Deuteranopia

77.3821, 75.7133, 91.4246



Tritanopia

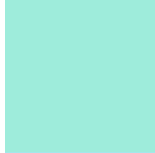
61.8997, 76.5202, 106.1151

Trichromacy



Original Color

50.4689, 77.4528, 87.1528



Protanomaly

56.8822, 72.3745, 77.9895



Deuteranomaly

58.9563, 71.4979, 89.2904



Tritanomaly

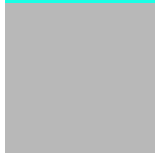
55.2992, 75.5084, 98.8488

Monochromacy



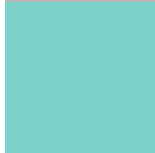
Original Color

50.4689, 77.4528, 87.1528



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.3416, 54.8223, 63.6085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4689, 77.4528, 87.1528 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.4689, 77.4528, 87.1528 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, 230) }
```


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

```
.border{ border-color:rgb(26, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4689, 77.4528, 87.1528 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, 230) }
```

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

```
.background{ background-color: rgb(26, 255,  
230) }
```

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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