

Converting Colors

XYZ(64.2826, 78.5587, 89.6172)

Have a look what the booklet for
XYZ(64.2826, 78.5587, 89.6172)
contains.

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Color

**XYZ(64.2826, 78.5587,
89.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	AFF2EA
RGB	175, 242, 234
RGB Percent	69%, 95%, 92%
CMY	0.3137, 0.0510, 0.0823
CMYK	0.28, 0.00, 0.03, 0.05
HSL	173°, 72%, 82%
HSV	173°, 28%, 95%
XYZ	64.2826, 78.5587, 89.6172
YIQ	221.0550, -37.3640, -16.6920

Conversions

Conversions Part 2

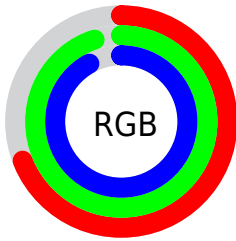
Format	Color
RYB	175, 211, 242
Decimal	11530986
CIELab	91.03, -22.47, -2.89
CIElCh	91, 22.650, 187.327
Yxy	78.5587, 0.2765, 0.3379
Android (android.graphics.Color)	4289721066 (0xFFAFF2EA)
YUV	221.0550, 6.3819, -40.3902
Hunter-Lab	88.6333, -25.6487, 2.0952

Details

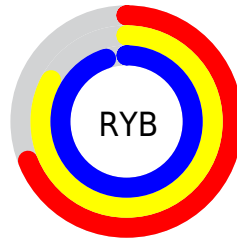
The XYZ color **64.2826, 78.5587, 89.6172** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4979, 52.9583, 51.8363**, and the grayscale version is **68.7431, 72.3231, 78.7598**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **33.3405, 42.3252, 48.5318** is the 20% darker color. If you saturate the color by 10%, you get **58.9189, 75.8432, 87.2175**, and if you desaturate by 10%, it is **70.6310, 81.7851, 92.1017**.

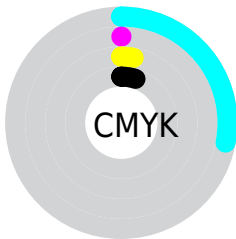
Distribution



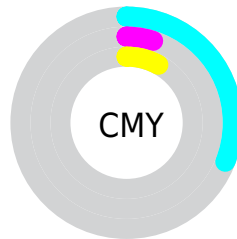
- Red (69%)
- Green (95%)
- Blue (92%)



- Red (69%)
- Yellow (83%)
- Blue (95%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (31%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2826, 78.5587, 89.6172 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 64.2826, 78.5587, 89.6172 by changing the saturation by 10% instead.

64.2826, 78.5587,
89.6172

64.2826, 78.5587,
89.6172

429.7955,
490.0622, 547.3228

47.1421, 58.5330,
67.0913

110.0893,
131.3374, 148.7374

33.3565, 42.2373,
48.6967

139.4862,
164.8593, 186.1688

22.5602, 29.2872,
34.0151

173.6994,
203.6486, 229.4057

14.3880, 19.2982,
22.6277

213.0941,
248.0899, 278.8668

8.4745, 11.8859,
14.1162

258.0357,
298.5675, 334.9705

4.4544, 6.6661,
8.0618

308.8895,

1.9623, 3.2541,

355.4659, 398.1353

4.0462

366.0210,
419.1693, 468.7799

■ 0.6126, 1.2658,
1.6507

■ 0.0000, 0.1145,
0.3266

■ 64.2826, 78.5587,
89.6172

■ 64.2826, 78.5587,
89.6172

■ 58.9189, 75.8432,
87.2175

■ 70.6310, 81.7851,
92.1017

■ 54.4810, 73.6022,
84.8947


■ 78.0054, 85.5375,
94.6681

■ 50.9143, 71.8096,
82.6476


■ 86.4531, 89.8425,
97.3204


■ 48.1557, 70.4327,
80.4733


■ 89.5612, 91.3941,
99.7587


 46.1334, 69.4347,
78.3681


 90.0074, 91.5725,
102.1085


 44.7631, 68.7720,
76.3280

 90.4605, 91.7538,
104.4947

 43.9315, 68.3863,
74.3474

 90.9207, 91.9378,
106.9177

 43.7763, 68.3161,
73.8957

 91.0435, 91.9870,
107.5645

Harmonies

Analogous

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



64.9729, 78.5587, 73.9619



64.2826, 78.5587, 89.6172



66.2597, 78.5587, 106.0917

Triad

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



64.2826, 78.5587, 89.6172



81.5367, 78.5587, 113.1059



78.9875, 78.5587, 59.6423

Complementary

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



64.2826, 78.5587, 89.6172



60.4979, 52.9583, 51.8363

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.



83.7585, 78.5587, 67.8251



64.2826, 78.5587, 89.6172



85.2819, 78.5587, 98.2610

Square

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



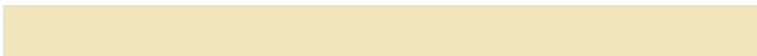
64.2826, 78.5587, 89.6172



76.0791, 78.5587, 120.7328



86.1150, 78.5587, 81.5827



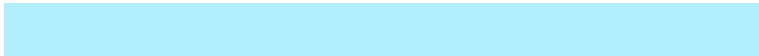
73.2739, 78.5587, 57.9470

Rectangle

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



64.2826, 78.5587, 89.6172



68.8868, 78.5587, 114.8827



86.1150, 78.5587, 81.5827



80.7632, 78.5587, 61.6697

Sweetspot

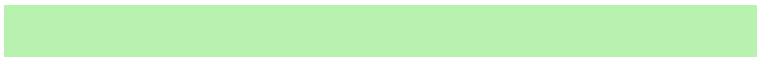
The Sweet Spot groups the original color and five complimentary colors.



64.2849, 78.5619, 89.6190



87.5491, 96.1782, 106.5142



59.2436, 76.7847, 52.2574



18.4559, 20.4419, 22.7039



0.0000, 0.0000, 0.0000



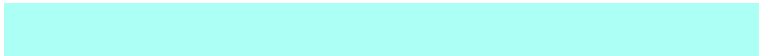
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2849, 78.5619, 89.6190



68.9956, 86.7505, 99.4534



58.6333, 65.3768, 93.5367



16.1613, 17.8946, 19.8724



23.5498, 36.7120, 39.8739



1.9819, 3.0632, 3.4369

Inverse Universe

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



60.4979, 52.9583, 51.8363



64.1049, 53.6613, 50.6418



64.9125, 63.0830, 49.3139



15.8496, 15.7895, 16.7642



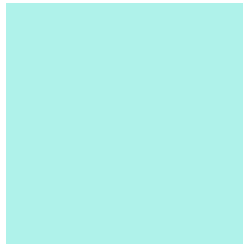
19.8156, 10.1987, 1.6796



1.6732, 0.8583, 0.2699

Previews

White Background



This preview shows how the XYZ color 64.2826, 78.5587, 89.6172 looks on a white background.

Color Contrast Check

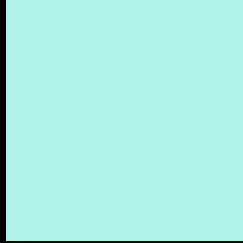
Large Text (above 18pt) WCAG AA × Fail

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 64.2826, 78.5587, 89.6172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

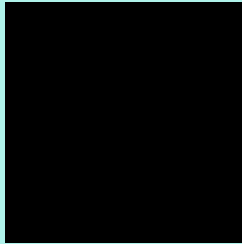
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

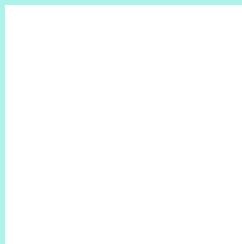
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2826, 78.5587, 89.6172

Background



This preview shows how black text looks on a background with the XYZ color 64.2826, 78.5587, 89.6172.

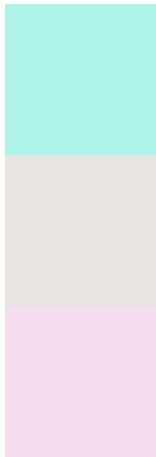


This preview shows how white text looks on a background with the XYZ color 64.2826, 78.5587,

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

64.2826, 78.5587, 89.6172

Protanopia

74.8008, 77.7528, 83.0169

Deuteranopia

79.5599, 78.0084, 91.7528



Tritanopia

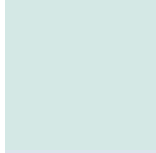
68.6321, 78.6834, 106.1779

Trichromacy



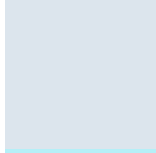
Original Color

64.2826, 78.5587, 89.6172



Protanomaly

70.1508, 77.3674, 85.3648



Deuteranomaly

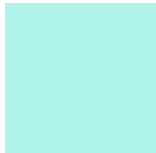
72.8206, 77.3687, 91.2164



Tritanomaly

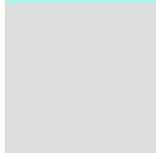
66.7111, 78.2722, 99.5877

Monochromacy



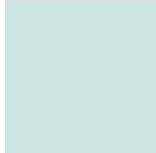
Original Color

64.2826, 78.5587, 89.6172



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.6486, 74.3670, 82.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2826, 78.5587, 89.6172 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(175, 242, 234)` looks like.

```
.text, #text, p{  
    color:rgb(175, 242, 234)  
}
```

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(175, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 242, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.2826, 78.5587, 89.6172 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(175, 242, 234) }
```


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

```
.border{ border-color:rgb(175, 242, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 242, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(175, 242,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2826, 78.5587, 89.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 242, 234) }
```

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

```
.background{ background-color: rgb(175,  
242, 234) }
```

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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