

Converting Colors

XYZ(66.7642, 83.0493, 91.5227)

Have a look what the booklet for
XYZ(66.7642, 83.0493, 91.5227)
contains.

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Color

**XYZ(66.6952, 82.9215,
91.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	AFF9EC
RGB	175, 249, 236
RGB Percent	69%, 98%, 93%
CMY	0.3137, 0.0235, 0.0745
CMYK	0.30, 0.00, 0.05, 0.02
HSL	169°, 86%, 83%
HSV	169°, 30%, 98%
XYZ	66.6952, 82.9215, 91.8471
YIQ	225.3920, -39.9310, -19.7310

Conversions

Conversions Part 2

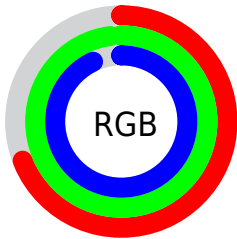
Format	Color
R _Y B	175, 216, 249
Decimal	11532780
CIE Lab	92.98, -25.43, -1.08
CIE LCh	93, 25.452, 182.422
Yxy	82.9215, 0.2762, 0.3434
Android (android.graphics.Color)	4289722860 (0xFFAFF9EC)
YUV	225.3920, 5.2297, -44.1938
Hunter-Lab	91.0612, -28.6200, 3.9412

Details

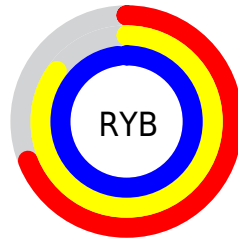
The XYZ color **66.6952, 82.9215, 91.8471** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.4769, 54.4327, 54.7412**, and the grayscale version is **71.8361, 75.5772, 82.3036**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **34.8336, 44.9876, 50.0276** is the 20% darker color. If you saturate the color by 10%, you get **60.9862, 80.0531, 88.3035**, and if you desaturate by 10%, it is **73.4550, 86.3341, 95.5247**.

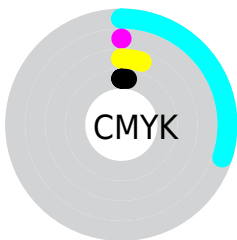
Distribution



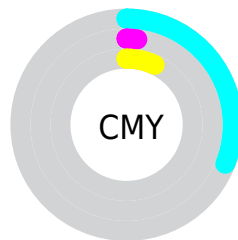
- Red (69%)
- Green (98%)
- Blue (93%)



- Red (69%)
- Yellow (85%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)



- Cyan (31%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6952, 82.9215, 91.8471 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 66.6952, 82.9215, 91.8471 by changing the saturation by 10% instead.

66.6952, 82.9215,
91.8471

66.6952, 82.9215,
91.8471

438.3086,
504.7249, 554.7456

49.1068, 62.1254,
68.9313

113.5358,
137.4655, 151.8593

34.9191, 45.1340,
50.1844

143.5186,
171.9822, 189.7928

23.7668, 31.5630,
35.1877

178.3636,
211.8412, 233.5693

15.2845, 21.0279,
23.5228

218.4361,
257.4269, 283.6074

9.1069, 13.1444,
14.7711

264.1015,
309.1238, 340.3255

4.8686, 7.5281,
8.5141

315.7252,

2.2044, 3.7945,

367.3161, 404.1422

4.3331

373.6724,
432.3883, 475.4761

■ 0.7450, 1.5593,
1.8098

■ 0.0000, 0.3299,
0.4344

■ 66.6952, 82.9215,
91.8471

■ 66.6952, 82.9215,
91.8471

■ 60.9862, 80.0531,
88.3035

■ 73.4550, 86.3341,
95.5247

■ 56.2639, 77.6895,
84.8850

■ 81.3110, 90.3078,
99.3338

■ 52.4686, 75.8019,
81.5901

■ 90.3144, 94.8713,
103.2789

■ 49.5308, 74.3546,
78.4149

■ 92.9271, 96.1383,
107.0080

■ 47.3710, 73.3067,
75.3551

■ 93.1672, 96.2343,
108.2724

■ 45.8947, 72.6094,
72.4056

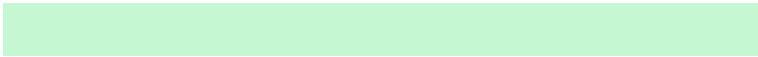
■ 44.9507, 72.1847,
69.5588

■ 44.9270, 72.1743,
69.4801

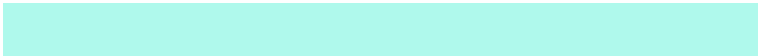
Harmonies

Analogous

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



67.9955, 82.9215, 74.3448



66.6952, 82.9215, 91.8471



68.4874, 82.9215, 111.4222

Triad

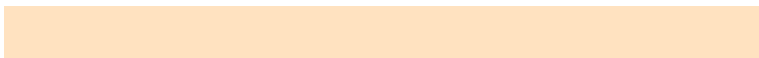
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6952, 82.9215, 91.8471



85.8846, 82.9215, 124.9341



84.8953, 82.9215, 61.5145

Complementary

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



66.6952, 82.9215, 91.8471



63.4769, 54.4327, 54.7412

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.



90.1306, 82.9215, 72.0099



66.6952, 82.9215, 91.8471



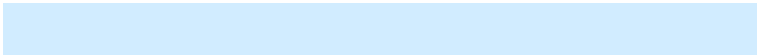
90.7240, 82.9215, 108.3603

Square

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



66.6952, 82.9215, 91.8471



79.3571, 82.9215, 132.1292



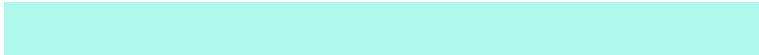
92.3194, 82.9215, 88.7455



78.2741, 82.9215, 58.3675

Rectangle

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



66.6952, 82.9215, 91.8471



71.2571, 82.9215, 122.5985



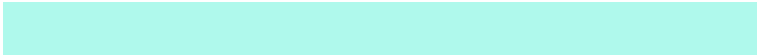
92.3194, 82.9215, 88.7455



86.8880, 82.9215, 64.2195

Sweetspot

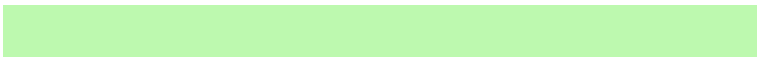
The Sweet Spot groups the original color and five complimentary colors.



66.6976, 82.9249, 91.8490



86.4624, 95.6472, 105.1445



62.4950, 81.6135, 53.0180



18.2294, 20.3321, 22.3777



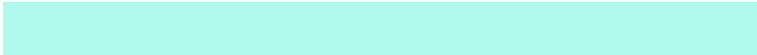
0.0000, 0.0000, 0.0000



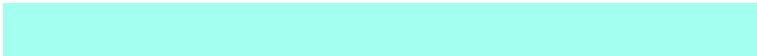
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6976, 82.9249, 91.8490



66.4660, 85.5520, 94.5705



61.8593, 70.1137, 99.8995



17.6272, 19.5532, 21.5035



24.0952, 38.6511, 37.4405



2.2648, 3.5930, 3.6425

Inverse Universe

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



63.4769, 54.4327, 54.7412



62.5429, 50.7935, 49.3310



67.1008, 63.8240, 49.3415



17.3691, 17.2750, 18.5334



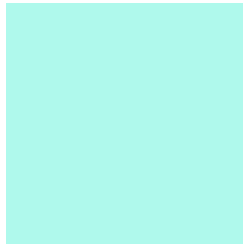
21.1886, 10.8912, 2.4358



1.9958, 1.0221, 0.4013

Previews

White Background



This preview shows how the XYZ color 66.6952, 82.9215, 91.8471 looks on a white background.

Color Contrast Check

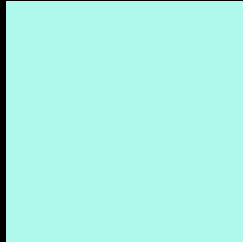
Large Text (above 18pt) WCAG AA × Fail

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 66.6952, 82.9215, 91.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

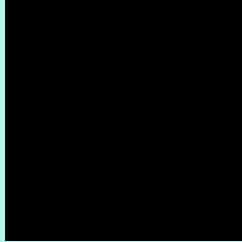
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

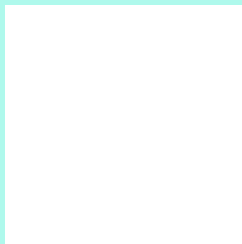
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6952, 82.9215, 91.8471

Background



This preview shows how black text looks on a background with the XYZ color 66.6952, 82.9215, 91.8471.

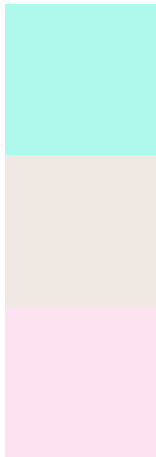


This preview shows how white text looks on a background with the XYZ color 66.6952, 82.9215,

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

66.6952, 82.9215, 91.8471

Protanopia

78.9392, 82.3491, 84.4075

Deuteranopia

83.8543, 82.1717, 94.6602



Tritanopia

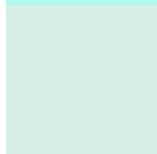
73.3247, 82.4100, 106.6498

Trichromacy



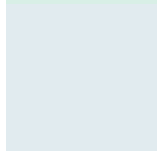
Original Color

66.6952, 82.9215, 91.8471



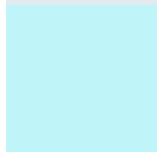
Protanomaly

73.4683, 82.0451, 86.8270



Deuteranomaly

76.3397, 81.6562, 93.3990



Tritanomaly

70.7798, 82.5550, 101.0112

Monochromacy



Original Color

66.6952, 82.9215, 91.8471



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.2978, 77.7682, 85.4871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6952, 82.9215, 91.8471 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, 249, 236)` looks like.

```
.text, #text, p{  
    color:rgb(175, 249, 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(175, 249, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 249, 236) }
```

Border

The CSS property to change the border of an element to XYZ 66.6952, 82.9215, 91.8471 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, 249, 236) }
```


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

```
.border{ border-color:rgb(175, 249, 236) }
```

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

Here you see how a box with a 4 pixel rgb(175, 249, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 249, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 249, 236);  
box-shadow:4px 4px 4px 4px rgb(175, 249,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6952, 82.9215, 91.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 249, 236) }
```

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

```
.background{ background-color: rgb(175,  
249, 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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