

Converting Colors

XYZ(58.6655, 81.6143, 90.4273)

Have a look what the booklet for
XYZ(58.6655, 81.6143, 90.4273)
contains.

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Color

**XYZ(58.6373, 81.5981,
90.5014)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFFEA
RGB	122, 255, 234
RGB Percent	48%, 100%, 92%
CMY	0.5215, 0.0000, 0.0823
CMYK	0.52, 0.00, 0.08, 0.00
HSL	171°, 100%, 74%
HSV	171°, 52%, 100%
XYZ	58.6373, 81.5981, 90.5014
YIQ	212.8390, -72.5270, -34.7270

Conversions

Conversions Part 2

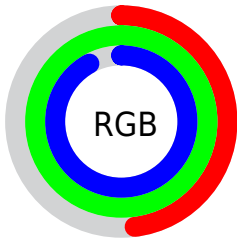
Format	Color
RYB	122, 194, 255
Decimal	8060906
CIELab	92.40, -41.58, -1.15
CIElCh	92, 41.599, 181.589
Yxy	81.5981, 0.2541, 0.3536
Android (android.graphics.Color)	4286250986 (0xFF7AFEEA)
YUV	212.8390, 10.4324, -79.6658
Hunter-Lab	90.3317, -42.2101, 3.8308

Details

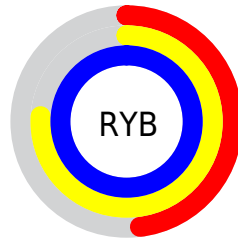
The XYZ color **58.6373, 81.5981, 90.5014** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **53.1583, 37.1635, 30.3593**, and the grayscale version is **63.1059, 66.3923, 72.3012**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **29.8055, 44.4147, 49.1215** is the 20% darker color. If you saturate the color by 10%, you get **54.9167, 79.7461, 87.3432**, and if you desaturate by 10%, it is **63.3201, 83.9445, 93.7761**.

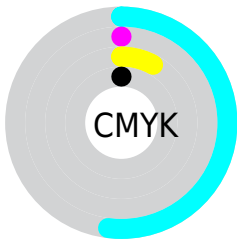
Distribution



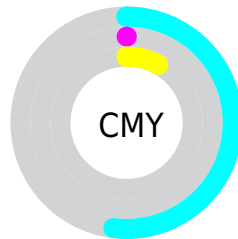
- Red (48%)
- Green (100%)
- Blue (92%)



- Red (48%)
- Yellow (76%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6373, 81.5981, 90.5014 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 58.6373, 81.5981, 90.5014 by changing the saturation by 10% instead.


 58.6373, 81.5981,
90.5014

 58.6373, 81.5981,
90.5014


409.4722,
500.3024, 550.2727


 42.5665, 61.0343,
67.8205

 101.9680,
135.6103, 149.9763

 29.7381, 44.2529,
49.2860


 129.9585,
169.8274, 187.6073

 19.7870, 30.8693,
34.4792


 162.6530,
209.3645, 231.0589

 12.3477, 20.4994,
22.9816

200.4168,
254.6059, 280.7494

 7.0548, 12.7586,
14.3748

243.6153,
305.9360, 337.0976

 3.5430, 7.2625,
8.2401

292.6138,

 1.4470, 3.6268,

363.7391, 400.5218

4.1590

347.7776,
428.3998, 471.4406

■ 0.2893, 1.4671,
1.7130

■ 0.0000, 0.2654,
0.3696

■ 58.6373, 81.5981,
90.5014

■ 58.6373, 81.5981,
90.5014

■ 54.9167, 79.7461,
87.3432

■ 63.3201, 83.9445,
93.7761

■ 52.0794, 78.3480,
84.2931

■ 69.0298, 86.8188,
97.1664

■ 50.0391, 77.3592,
81.3480

■ 75.8289, 90.2532,
100.6773

■ 48.6901, 76.7254,
78.5026

■ 83.7740, 94.2769,
104.3118

■ 47.9922, 76.4129,
76.3340

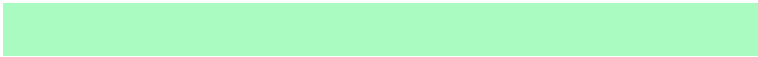
■ 92.9177, 98.9169,
108.0727

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.



60.7257, 81.5981, 63.5024



58.6373, 81.5981, 90.5014



61.2149, 81.5981, 123.6875

Triad

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



58.6373, 81.5981, 90.5014



88.9216, 81.5981, 149.5712



87.8364, 81.5981, 46.2138

Complementary

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



58.6373, 81.5981, 90.5014



53.1583, 37.1635, 30.3593

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.



96.5748, 81.5981, 61.2522



58.6373, 81.5981, 90.5014



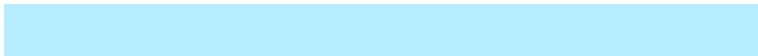
97.2410, 81.5981, 120.1695

Square

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



58.6373, 81.5981, 90.5014



78.1323, 81.5981, 162.3252



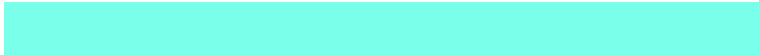
100.1617, 81.5981, 87.2118



76.9837, 81.5981, 41.7583

Rectangle

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



58.6373, 81.5981, 90.5014



65.3848, 81.5981, 143.9131



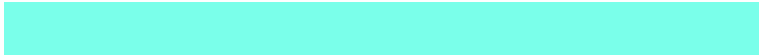
100.1617, 81.5981, 87.2118



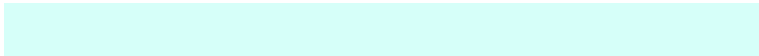
91.1522, 81.5981, 49.9956

Sweetspot

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



58.6383, 81.5985, 90.5028



80.5800, 92.6583, 102.8995



50.8046, 78.8699, 30.9597



16.8968, 19.6551, 21.8645



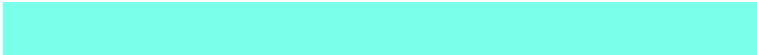
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.6383, 81.5985, 90.5028



54.6439, 79.6109, 87.0813



49.2887, 57.7818, 103.1630



18.4244, 20.4293, 22.5377



25.1232, 39.9459, 40.1295



2.4778, 3.9020, 4.0739

Inverse Universe

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



53.1583, 37.1635, 30.3593



48.6468, 30.6769, 21.0358



58.4506, 50.0602, 24.9958



18.1263, 18.0338, 19.2822



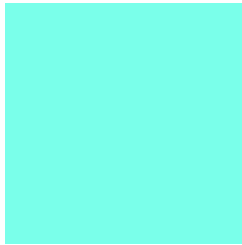
21.7856, 11.2035, 2.2557



2.1533, 1.1037, 0.3886

Previews

White Background



This preview shows how the XYZ color 58.6373, 81.5981, 90.5014 looks on a white background.

Color Contrast Check

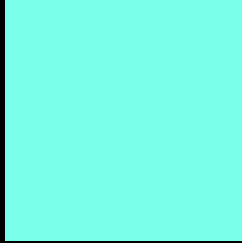
Large Text (above 18pt) WCAG AA × Fail

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 58.6373, 81.5981, 90.5014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

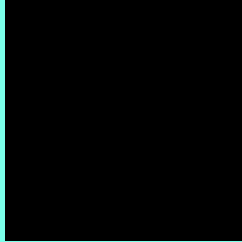
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6373, 81.5981, 90.5014

Background



This preview shows how black text looks on a background with the XYZ color 58.6373, 81.5981, 90.5014.

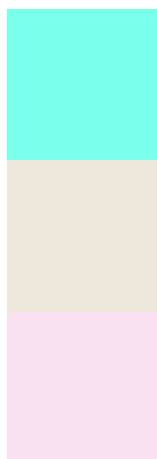


This preview shows how white text looks on a background with the XYZ color 58.6373, 81.5981,

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

58.6373, 81.5981, 90.5014

Protanopia

76.7541, 80.4963, 79.2021

Deuteranopia

82.2267, 80.5253, 94.4282



Tritanopia

69.0935, 80.6693, 106.5369

Trichromacy



Original Color

58.6373, 81.5981, 90.5014



Protanomaly

67.5156, 79.4922, 83.0192



Deuteranomaly

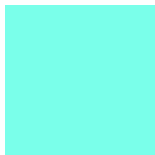
70.0567, 78.8605, 92.4181



Tritanomaly

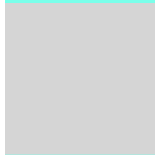
64.5465, 80.7105, 100.1724

Monochromacy



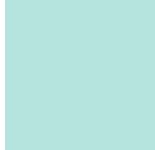
Original Color

58.6373, 81.5981, 90.5014



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.6169, 70.4106, 78.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6373, 81.5981, 90.5014 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(122, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 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(122, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 58.6373, 81.5981, 90.5014 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(122, 255, 234) }
```


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

```
.border{ border-color:rgb(122, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6373, 81.5981, 90.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 234) }
```

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

```
.background{ background-color: rgb(122,  
255, 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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