

Converting Colors

XYZ(65.5123, 78.4605,
101.1511)

Have a look what the booklet for
XYZ(65.5123, 78.4605, 101.1511)
contains.

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Color

**XYZ(65.5674, 78.5208,
101.3228)**

Conversions

Conversions Part 1

Format	Color
Hex	ACF1F9
RGB	172, 241, 249
RGB Percent	67%, 95%, 98%
CMY	0.3255, 0.0549, 0.0235
CMYK	0.31, 0.03, 0.00, 0.02
HSL	186°, 87%, 83%
HSV	186°, 31%, 98%
XYZ	65.5674, 78.5208, 101.3228
YIQ	221.2810, -43.6920, -12.1400

Conversions

Conversions Part 2

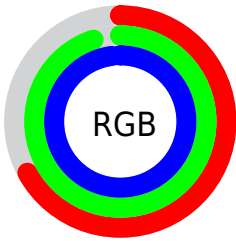
Format	Color
R _Y B	172, 208, 249
Decimal	11334137
CIE Lab	91.02, -19.49, -10.75
CIE LCh	91, 22.254, 208.879
Yxy	78.5208, 0.2672, 0.3200
Android (android.graphics.Color)	4289524217 (0xFFACF1F9)
YUV	221.2810, 13.6655, -43.2194
Hunter-Lab	88.6120, -22.9919, -5.7664

Details

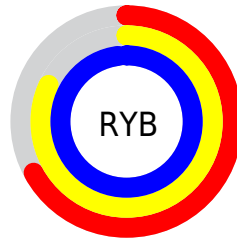
The XYZ color **65.5674, 78.5208, 101.3228** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8355, 55.7614, 46.4826**, and the grayscale version is **68.8555, 72.4413, 78.8886**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **34.3107, 42.3301, 56.8142** is the 20% darker color. If you saturate the color by 10%, you get **59.8467, 74.4452, 100.8390**, and if you desaturate by 10%, it is **72.3275, 83.1522, 101.8618**.

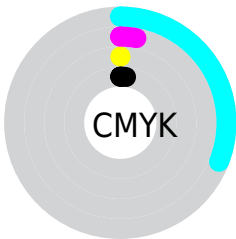
Distribution



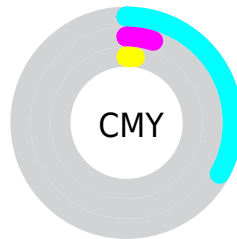
- Red (67%)
- Green (95%)
- Blue (98%)



- Red (67%)
- Yellow (82%)
- Blue (98%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (33%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5674, 78.5208, 101.3228 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 65.5674, 78.5208, 101.3228 by changing the saturation by 10% instead.

65.5674, 78.5208,
101.3228

65.5674, 78.5208,
101.3228

434.3412,
489.9337, 585.7083

48.1877, 58.5019,
76.7827

111.9264,
131.2840, 165.0415

34.1874, 42.2123,
56.5640

141.6364,
164.7971, 205.0572

23.2012, 29.2675,
40.2483

176.1872,
203.5771, 251.0686

14.8637, 19.2833,
27.4169

215.9443,
248.0084, 303.4940

8.8094, 11.8752,
17.6514

261.2728,
298.4752, 362.7522

4.6732, 6.6587,
10.5332

312.5382,

2.0896, 3.2496,

355.3622, 429.2616

5.6437

370.1059,
419.0535, 503.4408

0.6836, 1.2634,
2.5644

0.0000, 0.1126,
0.8740

65.5674, 78.5208,
101.3228

65.5674, 78.5208,
101.3228

59.8467, 74.4452,
100.8390

72.3275, 83.1522,
101.8618

55.1011, 70.8864,
100.4022

80.1728, 88.3574,
102.4530

51.2698, 67.8149,
100.0112

89.1550, 94.1649,
103.1005

48.2825, 65.1945,
99.6629

92.9455, 97.3123,
103.5083

■ 46.0584, 62.9834,
99.3533

■ 93.7604, 98.9422,
103.7799

■ 44.5007, 61.1316,
99.0780

■ 94.0991, 99.6197,
103.8928

■ 43.5242, 59.6899,
98.8512

Harmonies

Analogous

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



64.3449, 78.5208, 84.8918



65.5674, 78.5208, 101.3228



69.1870, 78.5208, 114.8062

Triad

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



65.5674, 78.5208, 101.3228



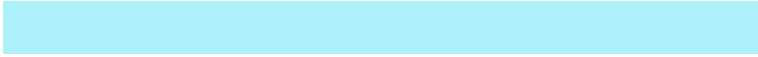
84.2656, 78.5208, 102.5017



74.8433, 78.5208, 58.1469

Complementary

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



65.5674, 78.5208, 101.3228



62.8355, 55.7614, 46.4826

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.



80.3548, 78.5208, 61.6539



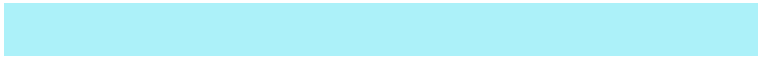
65.5674, 78.5208, 101.3228



85.9603, 78.5208, 86.1027

Square

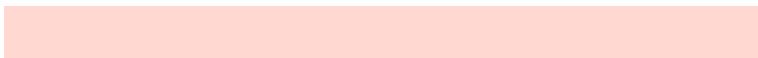
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.5674, 78.5208, 101.3228



79.9707, 78.5208, 115.5448



84.4950, 78.5208, 71.4092



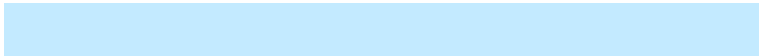
69.5357, 78.5208, 61.1683

Rectangle

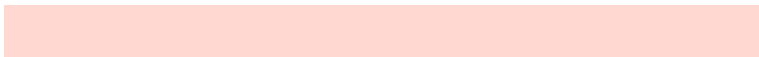
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5674, 78.5208, 101.3228



72.5675, 78.5208, 119.5830



84.4950, 78.5208, 71.4092



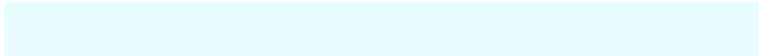
76.7346, 78.5208, 58.5928

Sweetspot

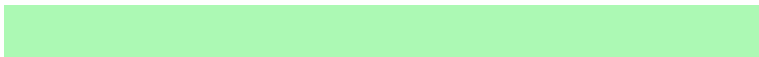
The Sweet Spot groups the original color and five complimentary colors.



65.5697, 78.5239, 101.3246



86.3492, 94.3928, 108.2763



59.0982, 79.8066, 55.3110



18.2012, 20.0205, 23.1550



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.



65.5697, 78.5239, 101.3246



65.3907, 80.1871, 106.6389



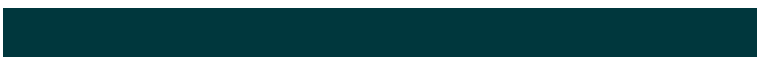
55.4225, 58.2294, 97.9422



17.6028, 19.2824, 22.1794



23.3596, 32.0748, 52.9334



2.2065, 3.0566, 4.9169

Inverse Universe

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



69.6985, 55.9975, 90.3577



70.4359, 53.2324, 93.1094



71.6381, 73.3665, 49.4168



17.9108, 17.4917, 21.3859



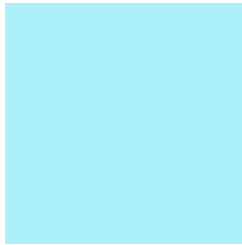
28.0829, 13.6489, 38.7404



2.6227, 1.2728, 3.7023

Previews

White Background



This preview shows how the XYZ color 65.5674, 78.5208, 101.3228 looks on a white background.

Color Contrast Check

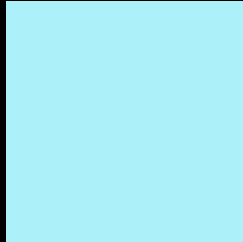
Large Text (above 18pt) WCAG AA × Fail

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 65.5674, 78.5208, 101.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

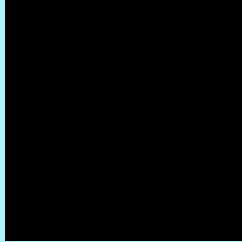
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5674, 78.5208, 101.3228

Background



This preview shows how black text looks on a background with the XYZ color 65.5674, 78.5208, 101.3228.

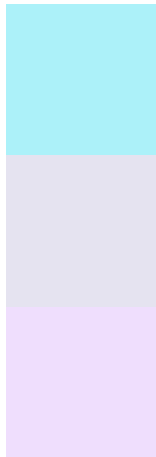


This preview shows how white text looks on a background with the XYZ color 65.5674, 78.5208,

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

65.5674, 78.5208, 101.3228

Protanopia

75.5104, 77.8875, 93.4920

Deuteranopia

79.4475, 77.6851, 103.7359



Tritanopia

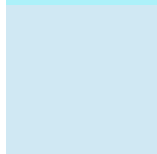
67.9159, 78.3142, 106.1443

Trichromacy



Original Color

65.5674, 78.5208, 101.3228



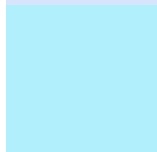
Protanomaly

71.0467, 77.5942, 96.0266



Deuteranomaly

73.6143, 77.5140, 103.1773



Tritanomaly

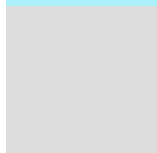
66.9562, 78.2898, 104.5110

Monochromacy



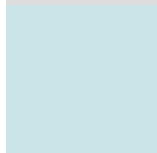
Original Color

65.5674, 78.5208, 101.3228



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.7958, 73.9528, 86.3551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5674, 78.5208, 101.3228 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(172, 241, 249)` looks like.

```
.text, #text, p{  
    color:rgb(172, 241, 249)  
}
```

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(172, 241, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 241, 249) }
```

Border

The CSS property to change the border of an element to XYZ 65.5674, 78.5208, 101.3228 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(172, 241, 249) }
```


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

```
.border{ border-color:rgb(172, 241, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 241, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 241, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 241, 249);  
box-shadow:4px 4px 4px 4px rgb(172, 241,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5674, 78.5208, 101.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 241, 249) }
```

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

```
.background{ background-color: rgb(172,  
241, 249) }
```

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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