

Converting Colors

XYZ(64.7145, 78.6307, 97.0709)

Have a look what the booklet for
XYZ(64.7145, 78.6307, 97.0709)
contains.

XYZ(64.6588, 78.5820, 97.3479)	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(64.6588, 78.5820,
97.3479)**

Conversions

Conversions Part 1

Format	Color
Hex	AAF2F4
RGB	170, 242, 244
RGB Percent	67%, 95%, 96%
CMY	0.3333, 0.0510, 0.0431
CMYK	0.30, 0.01, 0.00, 0.04
HSL	182°, 77%, 81%
HSV	182°, 30%, 96%
XYZ	64.6588, 78.5820, 97.3479
YIQ	220.7000, -43.5540, -14.6420

Conversions

Conversions Part 2

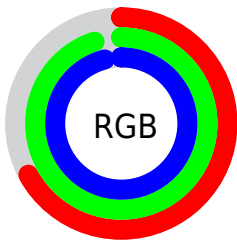
Format	Color
R _{YB}	170, 206, 244
Decimal	11203316
CIE Lab	91.04, -21.66, -8.11
CIE LCh	91, 23.126, 200.535
Yxy	78.5820, 0.2688, 0.3266
Android (android.graphics.Color)	4289393396 (0xFFAAF2F4)
YUV	220.7000, 11.4869, -44.4639
Hunter-Lab	88.6465, -24.9334, -3.0573

Details

The XYZ color **64.6588, 78.5820, 97.3479** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3173, 51.6409, 44.8731**, and the grayscale version is **68.4627, 72.0281, 78.4386**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **33.7062, 42.3935, 53.9832** is the 20% darker color. If you saturate the color by 10%, you get **59.6708, 75.7221, 97.0601**, and if you desaturate by 10%, it is **70.6310, 81.9542, 97.6854**.

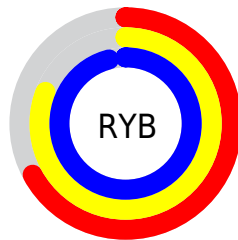
Distribution



Red (67%)

Green (95%)

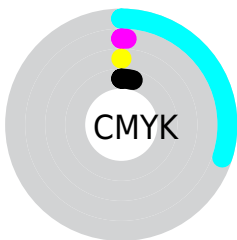
Blue (96%)



Red (67%)

Yellow (81%)

Blue (96%)

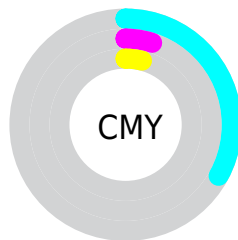


Cyan (30%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (5%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6588, 78.5820, 97.3479 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 64.6588, 78.5820, 97.3479 by changing the saturation by 10% instead.

64.6588, 78.5820,
97.3479

64.6588, 78.5820,
97.3479

431.1294,
490.1411, 572.8298

47.4481, 58.5522,
73.4830

110.6276,
131.3702, 159.5277

33.5995, 42.2527,
53.8768

140.1165,
164.8975, 198.6798

22.7475, 29.2992,
38.1107

174.4288,
203.6926, 243.7646

14.5269, 19.3073,
25.7661

213.9299,
248.1401, 295.2008

8.5721, 11.8925,
16.4245

258.9852,
298.6243, 353.4069

4.5180, 6.6705,
9.6675

309.9599,

1.9992, 3.2569,

355.5296, 418.8013

5.0763

367.2196,
419.2404, 491.8028

■ 0.6335, 1.2673,
2.2326

■ 0.0000, 0.1157,
0.6931

■ 64.6588, 78.5820,
97.3479

■ 64.6588, 78.5820,
97.3479

■ 59.6708, 75.7221,
97.0601

■ 70.6310, 81.9542,
97.6854

■ 55.6059, 73.3372,
96.8140

■ 77.6306, 85.8552,
98.0694

■ 52.4068, 71.3996,
96.6086

■ 85.7065, 90.3121,
98.5040

■ 50.0071, 69.8752,
96.4409

■ 90.1126, 92.8781,
98.7671

■ 48.3307, 68.7247,
96.3072

■ 90.3117, 93.2765,
98.8335

■ 47.2868, 67.9014,
96.2033

■ 90.5116, 93.6763,
98.9001

■ 46.7343, 67.3417,
96.1243

■ 90.7123, 94.0775,
98.9670

■ 90.9136, 94.4801,
99.0341

■ 91.1156, 94.8842,
99.1014

Harmonies

Analogous

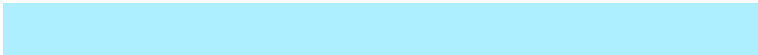
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1508, 78.5820, 80.3816



64.6588, 78.5820, 97.3479



67.7766, 78.5820, 112.8725

Triad

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



64.6588, 78.5820, 97.3479



83.6998, 78.5820, 107.6771



76.5519, 78.5820, 57.5965

Complementary

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



64.6588, 78.5820, 97.3479



59.3173, 51.6409, 44.8731

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.



82.0579, 78.5820, 63.0564



64.6588, 78.5820, 97.3479



86.3242, 78.5820, 90.9613

Square

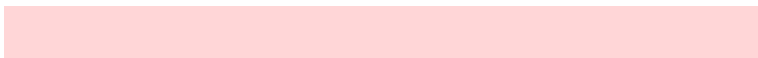
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6588, 78.5820, 97.3479



78.6990, 78.5820, 119.3546



85.7081, 78.5820, 74.7688



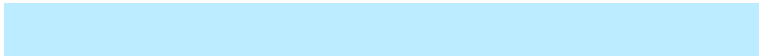
70.8192, 78.5820, 58.8387

Rectangle

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



64.6588, 78.5820, 97.3479



71.0096, 78.5820, 119.6113



85.7081, 78.5820, 74.7688



78.4950, 78.5820, 58.6788

Sweetspot

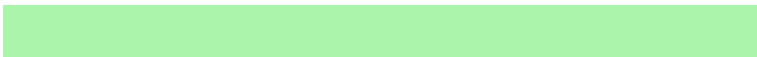
The Sweet Spot groups the original color and five complimentary colors.



64.6611, 78.5851, 97.3497



86.9077, 95.5096, 108.4624



56.3027, 76.1980, 50.3866



18.3398, 20.2978, 23.2012



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.



64.6611, 78.5851, 97.3497



68.1700, 84.9771, 107.4170



54.9234, 59.1096, 94.1038



16.9561, 18.6765, 21.2538



25.4284, 36.6507, 52.2721



2.2468, 3.2450, 4.5982

Inverse Universe

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



67.7118, 54.3951, 90.9385



72.0264, 54.5869, 99.2703



67.1782, 67.3625, 47.4933



17.1932, 16.7601, 20.7638



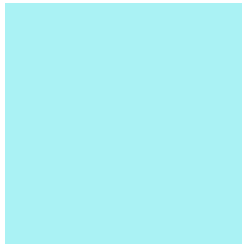
28.6396, 13.7993, 44.9381



2.5232, 1.2152, 3.9813

Previews

White Background



This preview shows how the XYZ color 64.6588, 78.5820, 97.3479 looks on a white background.

Color Contrast Check

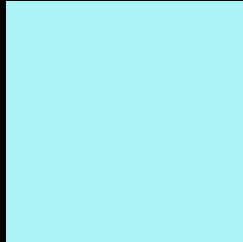
Large Text (above 18pt) WCAG AA × Fail

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 64.6588, 78.5820, 97.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

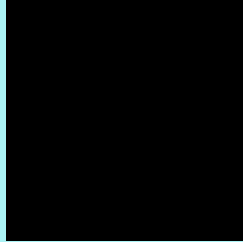
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6588, 78.5820, 97.3479

Background



This preview shows how black text looks on a background with the XYZ color 64.6588, 78.5820, 97.3479.

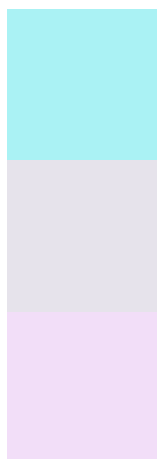


This preview shows how white text looks on a background with the XYZ color 64.6588, 78.5820,

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

64.6588, 78.5820, 97.3479

Protanopia

75.0976, 77.7593, 89.6482

Deuteranopia

79.6825, 77.8971, 99.6429



Tritanopia

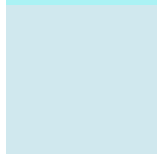
67.9159, 78.3142, 106.1443

Trichromacy



Original Color

64.6588, 78.5820, 97.3479



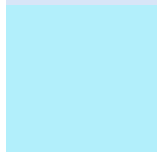
Protanomaly

70.3017, 77.2962, 92.1033



Deuteranomaly

73.1267, 77.3530, 99.0721



Tritanomaly

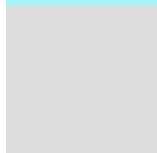
66.6392, 78.1630, 102.8415

Monochromacy



Original Color

64.6588, 78.5820, 97.3479



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.5193, 74.2523, 84.9549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6588, 78.5820, 97.3479 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(170, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 244)  
}
```

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(170, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 244) }
```

Border

The CSS property to change the border of an element to XYZ 64.6588, 78.5820, 97.3479 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(170, 242, 244) }
```


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

```
.border{ border-color:rgb(170, 242, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6588, 78.5820, 97.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 244) }
```

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

```
.background{ background-color: rgb(170,  
242, 244) }
```

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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