

Converting Colors

XYZ(52.8187, 71.7423, 84.5392)

Have a look what the booklet for
XYZ(52.8187, 71.7423, 84.5392)
contains.

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Color

**XYZ(52.9094, 71.9147,
84.4911)**

Conversions

Conversions Part 1

Format	Color
Hex	78F0E4
RGB	120, 240, 228
RGB Percent	47%, 94%, 89%
CMY	0.5294, 0.0588, 0.1059
CMYK	0.50, 0.00, 0.05, 0.06
HSL	174°, 80%, 71%
HSV	174°, 50%, 94%
XYZ	52.9094, 71.9147, 84.4911
YIQ	202.7520, -67.6680, -29.1720

Conversions

Conversions Part 2

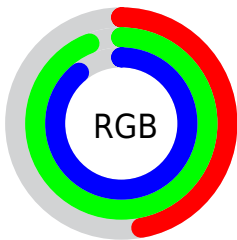
Format	Color
R_{YB}	120, 183, 240
Decimal	7925988
CIE Lab	87.93, -36.65, -4.60
CIE LCh	88, 36.942, 187.155
Yxy	71.9147, 0.2528, 0.3436
Android (android.graphics.Color)	4286116068 (0xFF78F0E4)
YUV	202.7520, 12.4473, -72.5735
Hunter-Lab	84.8025, -37.0360, 0.2895

Details

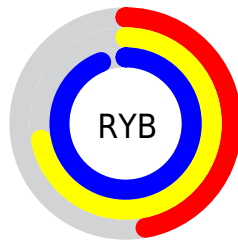
The XYZ color **52.9094, 71.9147, 84.4911** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **46.8189, 33.6262, 25.8552**, and the grayscale version is **56.5659, 59.5117, 64.8082**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **26.0519, 37.6963, 45.4382** is the 20% darker color. If you saturate the color by 10%, you get **49.6584, 70.2787, 82.6128**, and if you desaturate by 10%, it is **57.0033, 73.9881, 86.4362**.

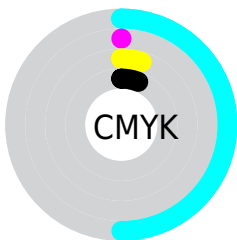
Distribution



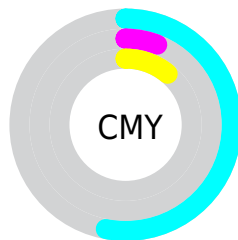
- Red (47%)
- Green (94%)
- Blue (89%)



- Red (47%)
- Yellow (72%)
- Blue (94%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





- Cyan (53%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9094, 71.9147, 84.4911 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 52.9094, 71.9147, 84.4911 by changing the saturation by 10% instead.


 52.9094, 71.9147,
84.4911


 52.9094, 71.9147,
84.4911


388.2040,
467.2446, 530.0432


 37.9576, 53.0890,
62.8732


 93.6374, 121.9352,
141.5298

 26.1269, 37.8738,
45.2983


 120.1443,
153.8989, 177.7877

 17.0518, 25.8848,
31.3478


 151.2336,
191.0106, 219.7627

 10.3669, 16.7375,
20.6032

187.2707,
233.6549, 267.8734

 5.7070, 10.0475,
12.6458

228.6209,
282.2160, 322.5382

 2.7067, 5.4305,
7.0573

275.6496,

 1.0006, 2.5020,

337.0784, 384.1758

3.4190

328.7222,
398.6265, 453.2046

■ 0.0000, 0.8776,
1.3123

■ 0.0000, 0.0000,
0.0719

■ 52.9094, 71.9147,
84.4911

■ 52.9094, 71.9147,
84.4911

■ 49.6584, 70.2787,
82.6128

■ 57.0033, 73.9881,
86.4362

■ 47.1804, 69.0390,
80.7932


■ 61.9907, 76.5199,
88.4457


■ 45.4049, 68.1608,
79.0304


■ 67.9258, 79.5397,
90.5240


■ 44.2453, 67.5997,
77.3203


■ 74.8565, 83.0722,
92.6733


 43.5559, 67.2804,
75.6559


 82.8276, 87.1405,
94.8958

 43.5558, 67.2804,
75.6557

 88.4892, 90.0177,
97.0348

 88.8530, 90.1633,
98.9507

 89.2216, 90.3107,
100.8916

 89.5949, 90.4600,
102.8576

Harmonies

Analogous

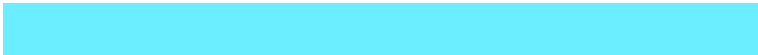
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9231, 71.9147, 60.9650



52.9094, 71.9147, 84.4911



55.7414, 71.9147, 111.3468

Triad

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



52.9094, 71.9147, 84.4911



79.0834, 71.9147, 123.5922



75.1306, 71.9147, 41.6142

Complementary

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



52.9094, 71.9147, 84.4911



46.8189, 33.6262, 25.8552

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.



82.7358, 71.9147, 52.5434



52.9094, 71.9147, 84.4911



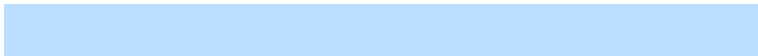
85.1511, 71.9147, 98.6509

Square

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



52.9094, 71.9147, 84.4911



70.4807, 71.9147, 136.8564



86.5420, 71.9147, 72.4244



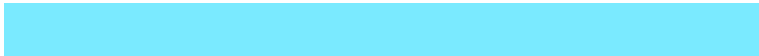
66.2681, 71.9147, 39.4091

Rectangle

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



52.9094, 71.9147, 84.4911



59.5851, 71.9147, 126.4457



86.5420, 71.9147, 72.4244



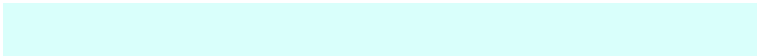
77.9409, 71.9147, 44.2553

Sweetspot

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



52.9115, 71.9175, 84.4928



81.7411, 93.2095, 105.0939



44.3840, 68.7475, 28.7011



17.1418, 19.7702, 22.3832



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.



52.9115, 71.9175, 84.4928



56.9227, 80.6181, 94.7629



42.7679, 48.8704, 89.6201



16.1752, 17.9001, 19.9457



23.8706, 36.8403, 41.5630



2.0054, 3.0726, 3.5606

Inverse Universe

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



46.8189, 33.6262, 25.8552



49.2201, 32.0542, 20.5161



52.9640, 47.1562, 24.0814



15.8370, 15.7845, 16.6980



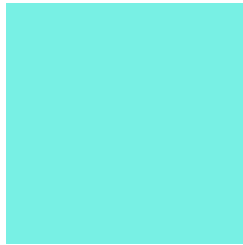
19.7837, 10.1859, 1.5113



1.6672, 0.8559, 0.2385

Previews

White Background



This preview shows how the XYZ color 52.9094, 71.9147, 84.4911 looks on a white background.

Color Contrast Check

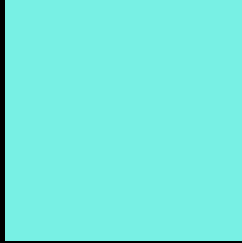
Large Text (above 18pt) WCAG AA × Fail

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 52.9094, 71.9147, 84.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

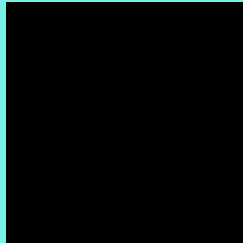
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.9094, 71.9147, 84.4911

Background



This preview shows how black text looks on a background with the XYZ color 52.9094, 71.9147, 84.4911.



This preview shows how white text looks on a background with the XYZ color 52.9094, 71.9147,

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

52.9094, 71.9147, 84.4911

Protanopia

68.0776, 70.8964, 74.3863

Deuteranopia

72.5772, 71.0214, 87.7252



Tritanopia

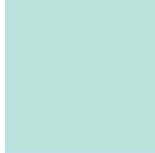
57.0987, 71.8780, 105.4722

Trichromacy



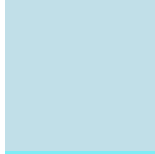
Original Color

52.9094, 71.9147, 84.4911



Protanomaly

60.3643, 69.9991, 78.0398



Deuteranomaly

62.9455, 69.9390, 86.5259



Tritanomaly

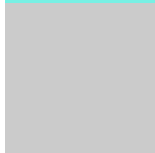
55.3698, 71.5966, 97.2874

Monochromacy



Original Color

52.9094, 71.9147, 84.4911



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.6731, 62.7494, 71.5703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9094, 71.9147, 84.4911 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(120, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(120, 240, 228)  
}
```

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(120, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 240, 228) }
```

Border

The CSS property to change the border of an element to XYZ 52.9094, 71.9147, 84.4911 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(120, 240, 228) }
```


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

```
.border{ border-color:rgb(120, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(120, 240,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9094, 71.9147, 84.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 240, 228) }
```

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

```
.background{ background-color: rgb(120,  
240, 228) }
```

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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