

Converting Colors

XYZ(52.7754, 71.1966, 85.0476)

Have a look what the booklet for
XYZ(52.7754, 71.1966, 85.0476)
contains.

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Color

**XYZ(52.8945, 71.4551,
85.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	79EFE5
RGB	121, 239, 229
RGB Percent	47%, 94%, 90%
CMY	0.5255, 0.0627, 0.1020
CMYK	0.49, 0.00, 0.04, 0.06
HSL	175°, 79%, 71%
HSV	175°, 49%, 94%
XYZ	52.8945, 71.4551, 85.1331
YIQ	202.5780, -67.1180, -28.1260

Conversions

Conversions Part 2

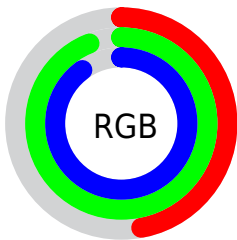
Format	Color
RYB	121, 183, 239
Decimal	7991269
CIELab	87.71, -35.74, -5.45
CIELCh	88, 36.150, 188.668
Yxy	71.4551, 0.2525, 0.3411
Android (android.graphics.Color)	4286181349 (0xFF79EFE5)
YUV	202.5780, 13.0260, -71.5439
Hunter-Lab	84.5311, -36.2349, -0.5404

Details

The XYZ color **52.8945, 71.4551, 85.1331** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **46.5331, 33.6662, 25.5209**, and the grayscale version is **56.4532, 59.3931, 64.6791**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **26.2608, 37.7928, 45.9551** is the 20% darker color. If you saturate the color by 10%, you get **49.6703, 69.8272, 83.5156**, and if you desaturate by 10%, it is **56.9557, 73.5176, 86.8102**.

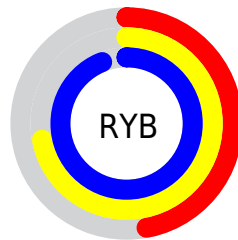
Distribution



Red (47%)

Green (94%)

Blue (90%)



Red (47%)

Yellow (72%)

Blue (94%)

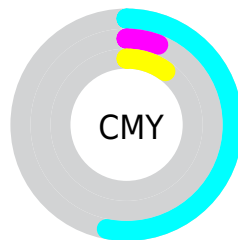


Cyan (49%)

Magenta (0%)

Yellow (4%)

Black (6%)



Cyan (53%)


Magenta (6%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8945, 71.4551, 85.1331 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 52.8945, 71.4551, 85.1331 by changing the saturation by 10% instead.


 52.8945, 71.4551,
85.1331


 52.8945, 71.4551,
85.1331


388.1477,
465.6428, 532.2245


 37.9457, 52.7137,
63.4006


 93.6156, 121.2815,
142.4349

 26.1176, 37.5742,
45.7223


 120.1185,
153.1353, 178.8413

 17.0448, 25.6524,
31.6796


 151.2036,
190.1286, 220.9761

 10.3619, 16.5638,
20.8541

187.2361,
232.6459, 269.2578

 5.7037, 9.9240,
12.8272

228.5814,
281.0716, 324.1049

 2.7047, 5.3486,
7.1803

275.6049,

 0.9996, 2.4532,

335.7901, 385.9361

3.4950

328.6719,
397.1856, 455.1697

0.0000, 0.8531,
1.3526

0.0000, 0.0000,
0.1043

52.8945, 71.4551,
85.1331

52.8945, 71.4551,
85.1331

49.6703, 69.8272,
83.5156

56.9557, 73.5176,
86.8102

47.2146, 68.5933,
81.9496


61.9038, 76.0351,
88.5445


45.4580, 67.7195,
80.4335


67.7920, 79.0370,
90.3401


44.3161, 67.1622,
78.9632


74.6675, 82.5474,
92.1994


 43.6558, 66.8528,
77.5324

 82.5746, 86.5892,
94.1244

 43.6202, 66.8364,
77.4433

 88.0084, 89.3556,
95.9512

 88.3130, 89.4775,
97.5555

 88.6211, 89.6007,
99.1776

 88.9325, 89.7253,
100.8176

Harmonies

Analogous

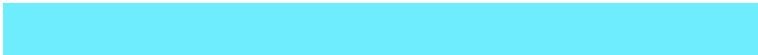
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.6948, 71.4551, 61.8678



52.8945, 71.4551, 85.1331



55.8461, 71.4551, 111.1679

Triad

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



52.8945, 71.4551, 85.1331



78.7399, 71.4551, 120.7692



74.0879, 71.4551, 41.6045

Complementary

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



52.8945, 71.4551, 85.1331



46.5331, 33.6662, 25.5209

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.



81.6104, 71.4551, 51.8859



52.8945, 71.4551, 85.1331



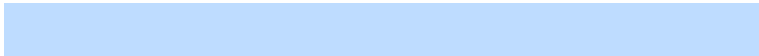
84.4494, 71.4551, 96.2622

Square

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



52.8945, 71.4551, 85.1331



70.4295, 71.4551, 134.3979



85.5419, 71.4551, 70.9052



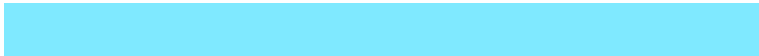
65.4629, 71.4551, 39.8547

Rectangle

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



52.8945, 71.4551, 85.1331



59.7031, 71.4551, 125.4716



85.5419, 71.4551, 70.9052



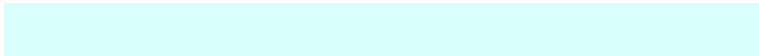
76.8494, 71.4551, 44.0549

Sweetspot

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



52.8966, 71.4579, 85.1348



81.8333, 93.2464, 105.5795



43.9612, 68.0866, 28.9157



17.1643, 19.7792, 22.5014



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.



52.8966, 71.4579, 85.1348



57.5971, 80.9217, 96.7827



42.2731, 47.9109, 88.6842



16.1862, 17.9045, 20.0034



24.1288, 36.9436, 42.9229



2.0242, 3.0801, 3.6598

Inverse Universe

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



46.5331, 33.6662, 25.5209



49.4746, 32.5632, 20.6009



53.0899, 47.8128, 24.5213



15.8272, 15.7806, 16.6462



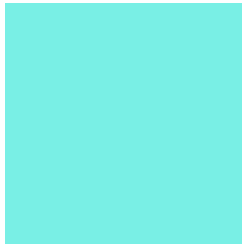
19.7618, 10.1771, 1.3961



1.6625, 0.8541, 0.2138

Previews

White Background



This preview shows how the XYZ color 52.8945, 71.4551, 85.1331 looks on a white background.

Color Contrast Check

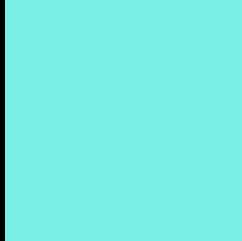
Large Text (above 18pt) WCAG AA × Fail

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 52.8945, 71.4551, 85.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

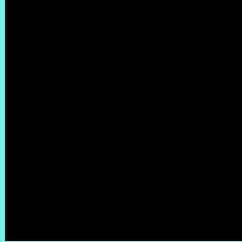
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8945, 71.4551, 85.1331

Background



This preview shows how black text looks on a background with the XYZ color 52.8945, 71.4551, 85.1331.

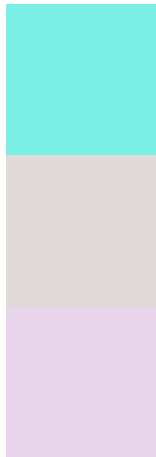


This preview shows how white text looks on a background with the XYZ color 52.8945, 71.4551,

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

52.8945, 71.4551, 85.1331

Protanopia

67.6389, 70.2716, 74.9646

Deuteranopia

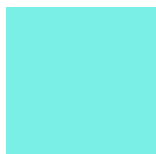
71.8176, 70.2409, 88.3699



Tritanopia

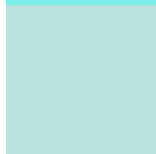
56.6510, 71.2395, 104.5307

Trichromacy



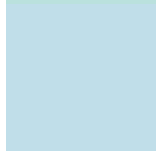
Original Color

52.8945, 71.4551, 85.1331



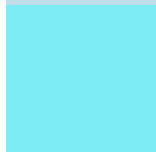
Protanomaly

60.2261, 69.5100, 78.6491



Deuteranomaly

62.5675, 69.3322, 87.1756



Tritanomaly

55.0811, 71.0191, 97.1912

Monochromacy



Original Color

52.8945, 71.4551, 85.1331



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 52.8945, 71.4551, 85.1331 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(121, 239, 229)` looks like.

```
.text, #text, p{  
    color:rgb(121, 239, 229)  
}
```

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(121, 239, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 239, 229) }
```

Border

The CSS property to change the border of an element to XYZ 52.8945, 71.4551, 85.1331 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(121, 239, 229) }
```


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

```
.border{ border-color:rgb(121, 239, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 239, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 239, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 239, 229); box-shadow:4px 4px 4px 4px rgb(121, 239, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8945, 71.4551, 85.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 239, 229) }
```

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

```
.background{ background-color: rgb(121,  
239, 229) }
```

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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