

Converting Colors

XYZ(47.8375, 63.4939, 81.9320)

Have a look what the booklet for
XYZ(47.8375, 63.4939, 81.9320)
contains.

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Color

**XYZ(47.7339, 63.3944,
81.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	71E2E2
RGB	113, 226, 226
RGB Percent	44%, 89%, 89%
CMY	0.5568, 0.1137, 0.1137
CMYK	0.50, 0.00, 0.00, 0.11
HSL	180°, 66%, 66%
HSV	180°, 50%, 89%
XYZ	47.7339, 63.3944, 81.6720
YIQ	192.2130, -67.3480, -23.9560

Conversions

Conversions Part 2

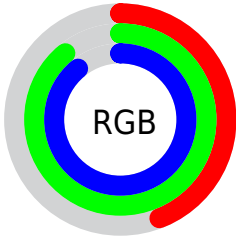
Format	Color
RYB	113, 170, 226
Decimal	7463650
CIELab	83.65, -32.09, -9.91
CIELCh	84, 33.584, 197.162
Yxy	63.3944, 0.2476, 0.3288
Android (android.graphics.Color)	4285653730 (0xFF71E2E2)
YUV	192.2130, 16.6570, -69.4698
Hunter-Lab	79.6206, -32.3223, -5.0832

Details

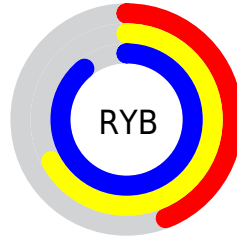
The XYZ color **47.7339, 63.3944, 81.6720** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.2520, 29.1733, 19.1345**, and the grayscale version is **50.1630, 52.7754, 57.4724**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **22.8977, 32.2941, 43.5546** is the 20% darker color. If you saturate the color by 10%, you get **45.1809, 62.0798, 81.5536**, and if you desaturate by 10%, it is **51.0145, 65.0871, 81.8272**.

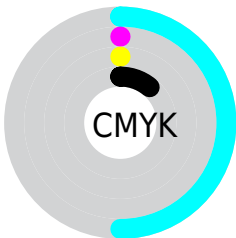
Distribution



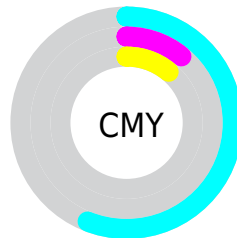
- Red (44%)
- Green (89%)
- Blue (89%)



- Red (44%)
- Yellow (67%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7339, 63.3944, 81.6720 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 47.7339, 63.3944, 81.6720 by changing the saturation by 10% instead.

47.7339, 63.3944,
81.6720

47.7339, 63.3944,
81.6720

368.3366,
436.9994, 520.4045

33.8266, 46.1603,
60.5610

86.0202, 109.7383,
137.5465

22.9227, 32.3724,
43.4427

111.1298,
139.6170, 173.1470

14.6568, 21.6461,
29.8986

140.7043,
174.4793, 214.4145

8.6636, 13.5971,
19.5103

175.1090,
214.7096, 261.7674

4.5778, 7.8410,
11.8590

214.7092,
260.6924, 315.6243

2.0339, 3.9934,
6.5264

259.8703,

0.6529, 1.6698,

312.8121, 376.4038

3.0938

310.9576,
371.4529, 444.5243

■ 0.0000, 0.4040,
1.1427

■ 0.0000, 0.0000,
0.0000

■ 47.7339, 63.3944,
81.6720

■ 47.7339, 63.3944,
81.6720

■ 45.1809, 62.0798,
81.5536

■ 51.0145, 65.0871,
81.8272

■ 43.2952, 61.1077,
81.4651


■ 55.0663, 67.1759,
82.0172


■ 42.0161, 60.4482,
81.4049


■ 59.9359, 69.6862,
82.2454


■ 41.2691, 60.0632,
81.3696


■ 65.6649, 72.6396,
82.5138


 40.9248, 59.8857,
81.3532


 72.2917, 76.0558,
82.8242

 40.9247, 59.8857,
81.3532

 79.8526, 79.9536,
83.1783

 82.1654, 81.1459,
83.2869

 82.1655, 81.1460,
83.2872

 82.1655, 81.1460,
83.2875

Harmonies

Analogous

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



47.4980, 63.3944, 60.4169



47.7339, 63.3944, 81.6720



51.1465, 63.3944, 103.1650

Triad

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



47.7339, 63.3944, 81.6720



71.2240, 63.3944, 100.3674



63.4497, 63.3944, 36.6036

Complementary

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



47.7339, 63.3944, 81.6720



40.2520, 29.1733, 19.1345

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.



70.3842, 63.3944, 43.3953



47.7339, 63.3944, 81.6720



75.1121, 63.3944, 78.4158

Square

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



47.7339, 63.3944, 81.6720



64.5220, 63.3944, 115.3741



74.7928, 63.3944, 57.7573



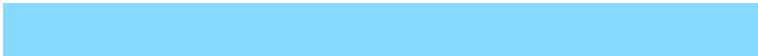
56.1794, 63.3944, 37.1240

Rectangle

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



47.7339, 63.3944, 81.6720



54.9337, 63.3944, 113.4542



74.7928, 63.3944, 57.7573



65.9082, 63.3944, 38.0380

Sweetspot

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



47.7358, 63.3968, 81.6735



82.3509, 93.4534, 108.3051



37.2339, 59.2244, 25.0934



17.2905, 19.8297, 23.1660



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.



47.7358, 63.3968, 81.6735



59.2890, 81.5646, 107.2240



35.1750, 38.2748, 77.4880



14.1166, 15.5724, 17.6494



23.3467, 34.1635, 46.4104



1.6183, 2.3680, 3.2169

Inverse Universe

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



40.2520, 29.1733, 19.1345



48.3898, 31.7221, 16.1437



48.2789, 45.2273, 21.8096



13.7073, 13.7006, 14.2289



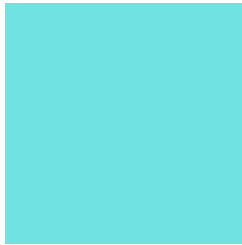
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 47.7339, 63.3944, 81.6720 looks on a white background.

Color Contrast Check

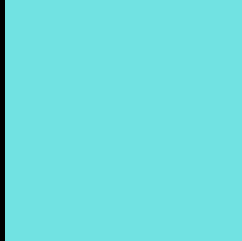
Large Text (above 18pt) WCAG AA × Fail

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 47.7339, 63.3944, 81.6720 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

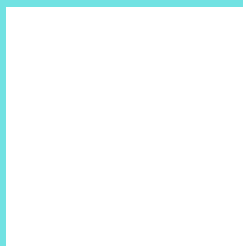
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7339, 63.3944, 81.6720

Background



This preview shows how black text looks on a background with the XYZ color 47.7339, 63.3944, 81.6720.

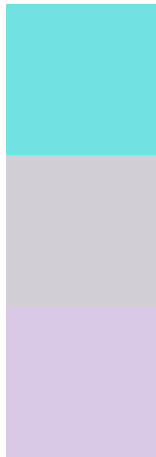


This preview shows how white text looks on a background with the XYZ color 47.7339, 63.3944,

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

47.7339, 63.3944, 81.6720

Protanopia

60.5034, 62.5530, 72.5034

Deuteranopia

63.8632, 62.6095, 84.3202



Tritanopia

50.1539, 63.5737, 93.6320

Trichromacy



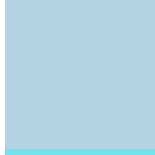
Original Color

47.7339, 63.3944, 81.6720



Protanomaly

53.9047, 61.6491, 75.3881



Deuteranomaly

56.0275, 61.8294, 83.1100



Tritanomaly

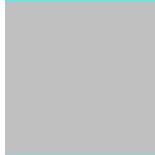
49.2680, 63.6196, 89.0400

Monochromacy



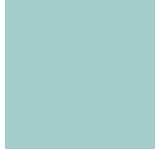
Original Color

47.7339, 63.3944, 81.6720



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.5962, 55.3319, 65.2983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7339, 63.3944, 81.6720 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(113, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(113, 226, 226)  
}
```

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(113, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.7339, 63.3944, 81.6720 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(113, 226, 226) }
```


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

```
.border{ border-color:rgb(113, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(113, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7339, 63.3944, 81.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 226, 226) }
```

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

```
.background{ background-color: rgb(113,  
226, 226) }
```

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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