

Converting Colors

XYZ(47.7298, 62.9739, 82.3126)

Have a look what the booklet for
XYZ(47.7298, 62.9739, 82.3126)
contains.

XYZ(47.7298, 62.9739, 82.3126)	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(47.7298, 62.9739,
82.3126)**

Conversions

Conversions Part 1

Format	Color
Hex	72E1E3
RGB	114, 225, 227
RGB Percent	45%, 88%, 89%
CMY	0.5529, 0.1176, 0.1098
CMYK	0.50, 0.01, 0.00, 0.11
HSL	181°, 67%, 67%
HSV	181°, 50%, 89%
XYZ	47.7298, 62.9739, 82.3126
YIQ	192.0390, -66.7980, -22.9100

Conversions

Conversions Part 2

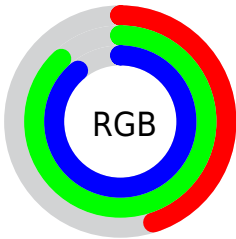
Format	Color
RYB	114, 170, 227
Decimal	7528931
CIELab	83.43, -31.15, -10.76
CIELCh	83, 32.956, 199.065
Yxy	62.9739, 0.2473, 0.3263
Android (android.graphics.Color)	4285719011 (0xFF72E1E3)
YUV	192.0390, 17.2358, -68.4402
Hunter-Lab	79.3561, -31.5119, -5.9497

Details

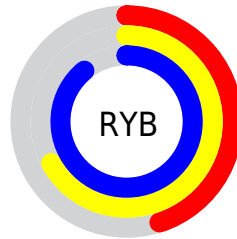
The XYZ color **47.7298, 62.9739, 82.3126** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.9624, 30.0377, 19.5601**, and the grayscale version is **50.0579, 52.6648, 57.3520**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **22.9010, 32.0075, 44.0008** is the 20% darker color. If you saturate the color by 10%, you get **45.0277, 61.4215, 82.1565**, and if you desaturate by 10%, it is **51.1685, 64.9093, 82.5061**.

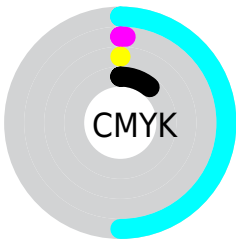
Distribution



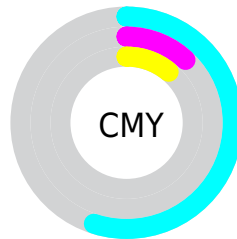
- Red (45%)
- Green (88%)
- Blue (89%)



- Red (45%)
- Yellow (67%)
- Blue (89%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)





- Cyan (55%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7298, 62.9739, 82.3126 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 47.7298, 62.9739, 82.3126 by changing the saturation by 10% instead.


 47.7298, 62.9739,
82.3126


 47.7298, 62.9739,
82.3126


368.3206,
435.4748, 522.6036


 33.8233, 45.8201,
61.0859


 86.0141, 109.1319,
138.4529

 22.9201, 32.1039,
43.8635


 111.1226,
138.9048, 174.2036

 14.6549, 21.4409,
30.2268


 140.6959,
173.6529, 215.6327

 8.6623, 13.4466,
19.7573

175.0992,
213.7606, 263.1588

 4.5769, 7.7368,
12.0364

214.6980,
259.6122, 317.2004

 2.0334, 3.9270,
6.6456

259.8576,

 0.6526, 1.6328,

311.5922, 378.1760

3.1664

310.9433,
370.0849, 446.5043

■ 0.0000, 0.3796,
1.1802

■ 0.0000, 0.0000,
0.0000

■ 47.7298, 62.9739,
82.3126

■ 47.7298, 62.9739,
82.3126

■ 45.0277, 61.4215,
82.1565

■ 51.1685, 64.9093,
82.5061

■ 43.0014, 60.2164,
82.0307

■ 55.3878, 67.2461,
82.7347


■ 41.5896, 59.3284,
81.9337


■ 60.4346, 70.0099,
83.0022


■ 40.7176, 58.7192,
81.8620


■ 66.3510, 73.2223,
83.3104


 40.2585, 58.3231,
81.8098


 73.1757, 76.9034,
83.6612

 40.2498, 58.3151,
81.8087

 80.9455, 81.0720,
84.0563

 82.7974, 82.1902,
84.1746

 82.9078, 82.4111,
84.2114

 83.0185, 82.6324,
84.2483

Harmonies

Analogous

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



47.2955, 62.9739, 61.3364



47.7298, 62.9739, 82.3126



51.2559, 62.9739, 102.9905

Triad

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



47.7298, 62.9739, 82.3126



70.9036, 62.9739, 97.8784



62.5126, 62.9739, 36.6087

Complementary

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



47.7298, 62.9739, 82.3126



40.9624, 30.0377, 19.5601

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.



69.3653, 62.9739, 42.8224



47.7298, 62.9739, 82.3126



74.4613, 62.9739, 76.3465

Square

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



47.7298, 62.9739, 82.3126



64.4792, 62.9739, 113.1459



73.8768, 62.9739, 56.4453



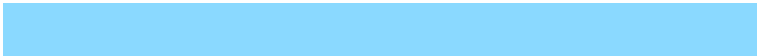
55.4570, 62.9739, 37.5719

Rectangle

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



47.7298, 62.9739, 82.3126



55.0554, 62.9739, 112.5304



73.8768, 62.9739, 56.4453



64.9254, 62.9739, 37.8684

Sweetspot

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



47.7317, 62.9763, 82.3141



82.1356, 93.0227, 108.2339



37.5556, 59.7751, 26.0474



17.2380, 19.7246, 23.1486



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.



47.7317, 62.9763, 82.3141



58.4326, 79.8509, 106.9408



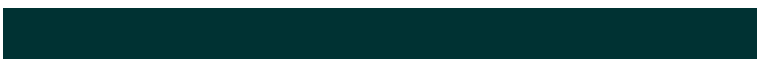
34.9229, 37.3587, 78.0445



14.7845, 16.2903, 18.5095



23.4832, 34.0285, 47.7136



1.7423, 2.5286, 3.5282

Inverse Universe

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



51.2881, 33.8034, 75.0583



63.6088, 37.8097, 96.2861



49.5429, 47.1987, 22.4203



14.9836, 14.6106, 18.1138



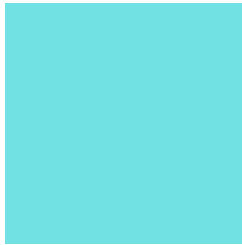
26.2467, 12.6329, 41.7898



1.9431, 0.9349, 3.1068

Previews

White Background



This preview shows how the XYZ color 47.7298, 62.9739, 82.3126 looks on a white background.

Color Contrast Check

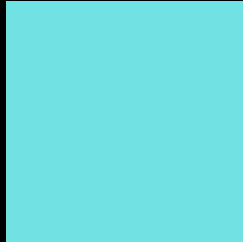
Large Text (above 18pt) WCAG AA × Fail

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 47.7298, 62.9739, 82.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

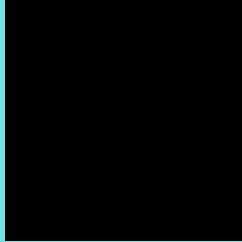
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7298, 62.9739, 82.3126

Background



This preview shows how black text looks on a background with the XYZ color 47.7298, 62.9739, 82.3126.

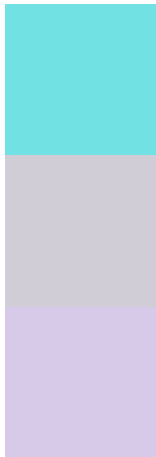


This preview shows how white text looks on a background with the XYZ color 47.7298, 62.9739,

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

47.7298, 62.9739, 82.3126

Protanopia

60.1095, 61.9788, 73.0850

Deuteranopia

63.4765, 62.0466, 84.9745



Tritanopia

49.8726, 63.0482, 92.7600

Trichromacy



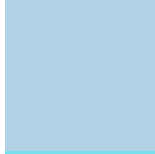
Original Color

47.7298, 62.9739, 82.3126



Protanomaly

53.7852, 61.2001, 75.9959



Deuteranomaly

55.6896, 61.2713, 83.7543



Tritanomaly

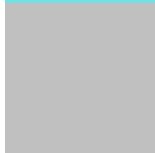
49.1321, 63.1493, 88.9564

Monochromacy



Original Color

47.7298, 62.9739, 82.3126



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.9222, 55.4860, 65.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7298, 62.9739, 82.3126 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(114, 225, 227)` looks like.

```
.text, #text, p{  
    color:rgb(114, 225, 227)  
}
```

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(114, 225, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 225, 227) }
```

Border

The CSS property to change the border of an element to XYZ 47.7298, 62.9739, 82.3126 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(114, 225, 227) }
```


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

```
.border{ border-color:rgb(114, 225, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 225, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(114, 225,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7298, 62.9739, 82.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 225, 227) }
```

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

```
.background{ background-color: rgb(114,  
225, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor