

Converting Colors

XYZ(47.7452, 61.3793, 82.7297)

Have a look what the booklet for
XYZ(47.7452, 61.3793, 82.7297)
contains.

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Color

**XYZ(47.7452, 61.3793,
82.7297)**

Conversions

Conversions Part 1

Format	Color
Hex	79DDE4
RGB	121, 221, 228
RGB Percent	47%, 87%, 89%
CMY	0.5255, 0.1333, 0.1059
CMYK	0.47, 0.03, 0.00, 0.11
HSL	184°, 66%, 68%
HSV	184°, 47%, 89%
XYZ	47.7452, 61.3793, 82.7297
YIQ	191.8980, -61.8470, -19.0230

Conversions

Conversions Part 2

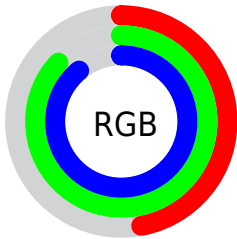
Format	Color
RYB	121, 173, 228
Decimal	7986660
CIELab	82.58, -27.46, -12.53
CIELCh	83, 30.181, 204.531
Yxy	61.3793, 0.2489, 0.3199
Android (android.graphics.Color)	4286176740 (0xFF79DDE4)
YUV	191.8980, 17.7983, -62.1775
Hunter-Lab	78.3449, -28.3217, -7.7668

Details

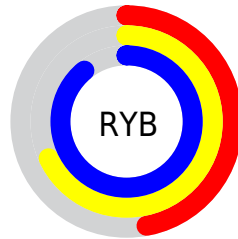
The XYZ color **47.7452, 61.3793, 82.7297** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.1664, 33.3138, 22.2458**, and the grayscale version is **49.9704, 52.5727, 57.2517**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **23.0425, 31.2502, 44.3526** is the 20% darker color. If you saturate the color by 10%, you get **44.5284, 59.1405, 82.4682**, and if you desaturate by 10%, it is **51.7243, 64.0191, 83.0306**.

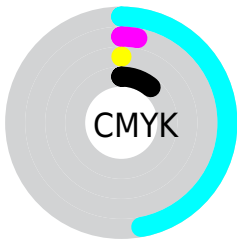
Distribution



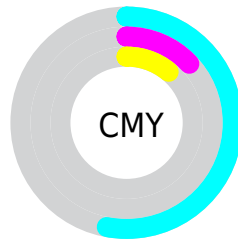
- Red (47%)
- Green (87%)
- Blue (89%)



- Red (47%)
- Yellow (68%)
- Blue (89%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)





- Cyan (53%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7452, 61.3793, 82.7297 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 47.7452, 61.3793, 82.7297 by changing the saturation by 10% instead.


 47.7452, 61.3793,
82.7297


 47.7452, 61.3793,
82.7297


368.3807,
429.6634, 524.0326


 33.8356, 44.5313,
61.4279


 86.0369, 106.8279,
139.0427

 22.9296, 31.0884,
44.1378


 111.1497,
136.1974, 174.8909

 14.6619, 20.6662,
30.4408


 140.7275,
170.5095, 216.4250

 8.6672, 12.8802,
19.9186

175.1359,
210.1487, 264.0635

 4.5801, 7.3461,
12.1524

214.7400,
255.4992, 318.2250

 2.0353, 3.6795,
6.7237

259.9053,

 0.6537, 1.4959,

306.9456, 379.3280

3.2141

310.9970,
364.8722, 447.7910

■ 0.0000, 0.2859,
1.2050

■ 0.0000, 0.0000,
0.0000

■ 47.7452, 61.3793,
82.7297

■ 47.7452, 61.3793,
82.7297

■ 44.5284, 59.1405,
82.4682

■ 51.7243, 64.0191,
83.0306

■ 42.0141, 57.2676,
82.2392


■ 56.5087, 67.0779,
83.3688


■ 40.1432, 55.7316,
82.0413


■ 62.1451, 70.5810,
83.7479


■ 38.8439, 54.4954,
81.8712


■ 68.6748, 74.5500,
84.1699


 38.0238, 53.5113,
81.7245


 76.1366, 79.0046,
84.6364

 37.8206, 53.2352,
81.6819

 83.5269, 83.4277,
85.1006

 83.9435, 84.2610,
85.2395

 84.3637, 85.1014,
85.3796

 84.7875, 85.9490,
85.5209

Harmonies

Analogous

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



46.8190, 61.3793, 63.4958



47.7452, 61.3793, 82.7297



51.4192, 61.3793, 100.2222

Triad

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



47.7452, 61.3793, 82.7297



69.0604, 61.3793, 89.6914



59.5319, 61.3793, 37.2872

Complementary

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



47.7452, 61.3793, 82.7297



43.1664, 33.3138, 22.2458

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.



65.8538, 61.3793, 41.8275



47.7452, 61.3793, 82.7297



71.6092, 61.3793, 70.2822

Square

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



47.7452, 61.3793, 82.7297



63.6542, 61.3793, 104.7334



70.3947, 61.3793, 53.1131



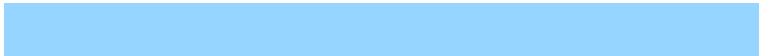
53.3286, 61.3793, 39.3938

Rectangle

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



47.7452, 61.3793, 82.7297



55.0861, 61.3793, 107.3508



70.3947, 61.3793, 53.1131



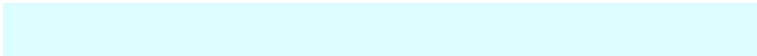
61.7179, 61.3793, 38.0566

Sweetspot

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



47.7471, 61.3817, 82.7311



82.3734, 92.3660, 108.0946



39.4185, 61.0684, 29.5687



17.2579, 19.5416, 23.1123



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.



47.7471, 61.3817, 82.7311



57.6102, 76.3832, 106.3148



36.1061, 38.0998, 78.8508



14.7225, 16.1664, 18.4888



21.8730, 30.8081, 47.1769



1.6408, 2.3256, 3.4944

Inverse Universe

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



51.8850, 35.3908, 72.5057



63.6388, 39.5255, 91.1910



51.7384, 50.4580, 25.1032



14.9523, 14.5981, 17.9491



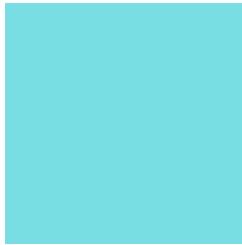
25.4340, 12.3078, 37.5100



1.8918, 0.9144, 2.8369

Previews

White Background



This preview shows how the XYZ color 47.7452, 61.3793, 82.7297 looks on a white background.

Color Contrast Check

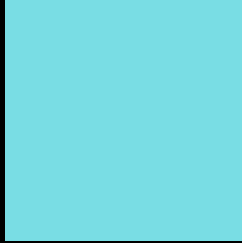
Large Text (above 18pt) WCAG AA × Fail

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 47.7452, 61.3793, 82.7297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

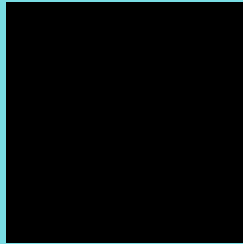
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7452, 61.3793, 82.7297

Background



This preview shows how black text looks on a background with the XYZ color 47.7452, 61.3793, 82.7297.

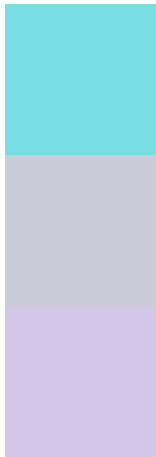


This preview shows how white text looks on a background with the XYZ color 47.7452, 61.3793,

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

47.7452, 61.3793, 82.7297

Protanopia

58.7822, 60.5590, 74.2365

Deuteranopia

61.9954, 60.5789, 85.5162



Tritanopia

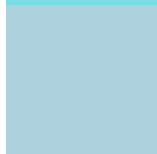
49.1914, 61.5859, 89.4154

Trichromacy



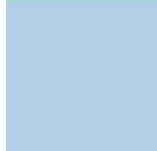
Original Color

47.7452, 61.3793, 82.7297



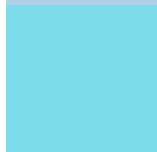
Protanomaly

53.5533, 60.3123, 77.2255



Deuteranomaly

55.0967, 59.8601, 84.2516



Tritanomaly

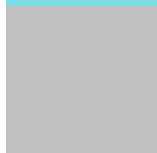
48.6129, 61.3379, 87.1191

Monochromacy



Original Color

47.7452, 61.3793, 82.7297



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.1013, 55.2266, 65.8822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7452, 61.3793, 82.7297 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, 221, 228)` looks like.

```
.text, #text, p{  
    color:rgb(121, 221, 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(121, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 221, 228) }
```

Border

The CSS property to change the border of an element to XYZ 47.7452, 61.3793, 82.7297 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, 221, 228) }
```


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

```
.border{ border-color:rgb(121, 221, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 221, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 221, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 221, 228);  
box-shadow:4px 4px 4px 4px rgb(121, 221,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7452, 61.3793, 82.7297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 221, 228) }
```

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

```
.background{ background-color: rgb(121,  
221, 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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