

Converting Colors

XYZ(47.5054, 60.8376, 82.8775)

Have a look what the booklet for
XYZ(47.5054, 60.8376, 82.8775)
contains.

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Color

**XYZ(47.4819, 60.8528,
82.6420)**

Conversions

Conversions Part 1

Format	Color
Hex	79DCE4
RGB	121, 220, 228
RGB Percent	47%, 86%, 89%
CMY	0.5255, 0.1372, 0.1059
CMYK	0.47, 0.04, 0.00, 0.11
HSL	184°, 66%, 68%
HSV	184°, 47%, 89%
XYZ	47.4819, 60.8528, 82.6420
YIQ	191.3110, -61.5720, -18.5000

Conversions

Conversions Part 2

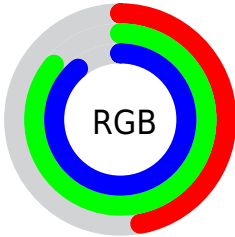
Format	Color
RYB	121, 172, 228
Decimal	7986404
CIELab	82.30, -26.97, -12.95
CIElCh	82, 29.920, 205.655
Yxy	60.8528, 0.2486, 0.3186
Android (android.graphics.Color)	4286176484 (0xFF79DCE4)
YUV	191.3110, 18.0877, -61.6627
Hunter-Lab	78.0082, -27.8653, -8.2062

Details

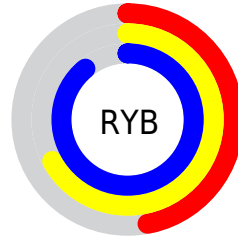
The XYZ color **47.4819, 60.8528, 82.6420** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.2974, 33.5758, 22.2893**, and the grayscale version is **49.6272, 52.2116, 56.8585**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **22.8614, 30.8881, 44.2922** is the 20% darker color. If you saturate the color by 10%, you get **44.2120, 58.5079, 82.3628**, and if you desaturate by 10%, it is **51.5150, 63.6008, 82.9609**.

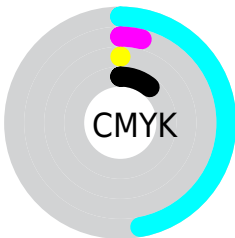
Distribution



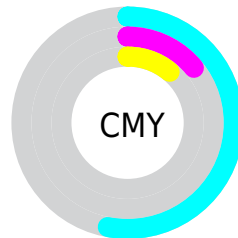
- Red (47%)
- Green (86%)
- Blue (89%)



- Red (47%)
- Yellow (67%)
- Blue (89%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (53%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4819, 60.8528, 82.6420 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 47.4819, 60.8528, 82.6420 by changing the saturation by 10% instead.


 47.4819, 60.8528,
82.6420


 47.4819, 60.8528,
82.6420


367.3517,
427.7341, 523.7323


 33.6263, 44.1064,
61.3560


 85.6469, 106.0658,
138.9187

 22.7682, 30.7542,
44.0801


 110.6870,
135.3011, 174.7464

 14.5422, 20.4117,
30.3958


 140.1860,
169.4682, 216.2585

 8.5829, 12.6947,
19.8846

174.5092,
208.9515, 263.8734

 4.5251, 7.2186,
12.1280

214.0220,
254.1353, 318.0097

 2.0033, 3.5992,
6.7073

259.0898,

 0.6358, 1.4520,

305.4041, 379.0859

3.2041

310.0779,
363.1422, 447.5206

■ 0.0000, 0.2546,
1.1998

■ 0.0000, 0.0000,
0.0000

■ 47.4819, 60.8528,
82.6420

■ 47.4819, 60.8528,
82.6420

■ 44.2120, 58.5079,
82.3628

■ 51.5150, 63.6008,
82.9609

■ 41.6458, 56.5310,
82.1165

■ 56.3547, 66.7699,
83.3175

■ 39.7240, 54.8931,
81.9016

■ 62.0473, 70.3856,
83.7154

■ 38.3748, 53.5571,
81.7149

■ 68.6344, 74.4692,
84.1564

■ 37.5058, 52.4754,
81.5519

■ 76.1545, 79.0406,
84.6425

■ 37.2879, 52.1697,
81.5044

■ 83.6044, 83.5828,
85.1265

■ 84.0817, 84.5373,
85.2856

■ 84.5636, 85.5011,
85.4462

■ 85.0501, 86.4742,
85.6084

Harmonies

Analogous

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



46.4611, 60.8528, 63.6351



47.4819, 60.8528, 82.6420



51.1977, 60.8528, 99.6601

Triad

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



47.4819, 60.8528, 82.6420



68.5567, 60.8528, 88.0934



58.7721, 60.8528, 37.0658

Complementary

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



47.4819, 60.8528, 82.6420



43.2974, 33.5758, 22.2893

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.



65.0306, 60.8528, 41.3029



47.4819, 60.8528, 82.6420



70.9369, 60.8528, 68.9527

Square

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



47.4819, 60.8528, 82.6420



63.3075, 60.8528, 103.1912



69.6017, 60.8528, 52.1972



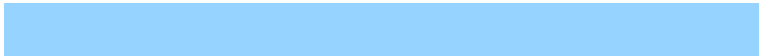
52.6944, 60.8528, 39.3930

Rectangle

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



47.4819, 60.8528, 82.6420



54.8558, 60.8528, 106.4019



69.6017, 60.8528, 52.1972



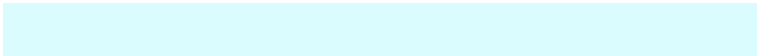
60.9280, 60.8528, 37.7442

Sweetspot

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



47.4837, 60.8552, 82.6434



82.2684, 92.1559, 108.0596



39.5349, 61.1150, 30.1822



17.2320, 19.4898, 23.1036



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.



47.4837, 60.8552, 82.6434



57.2065, 75.5757, 106.1802



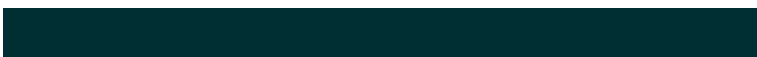
35.7761, 37.4399, 78.7409



14.7104, 16.1422, 18.4848



21.5698, 30.2017, 47.0758



1.6216, 2.2871, 3.4880

Inverse Universe

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



51.7520, 35.3375, 71.8059



63.4350, 39.4440, 90.1179



52.1003, 51.1818, 25.2236



14.9462, 14.5957, 17.9170



25.2809, 12.2466, 36.7040



1.8821, 0.9106, 2.7858

Previews

White Background



This preview shows how the XYZ color 47.4819, 60.8528, 82.6420 looks on a white background.

Color Contrast Check

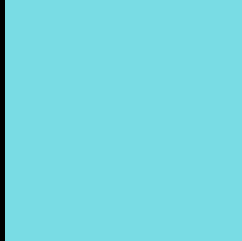
Large Text (above 18pt) WCAG AA × Fail

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 47.4819, 60.8528, 82.6420 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 47.4819, 60.8528, 82.6420

Background



This preview shows how black text looks on a background with the XYZ color 47.4819, 60.8528, 82.6420.

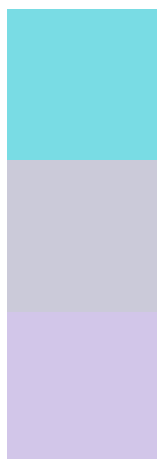


This preview shows how white text looks on a background with the XYZ color 47.4819, 60.8528,

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

47.4819, 60.8528, 82.6420

Protanopia

58.2735, 59.9473, 74.1453

Deuteranopia

61.4804, 59.9730, 85.4264



Tritanopia

48.7840, 61.0043, 88.5607

Trichromacy



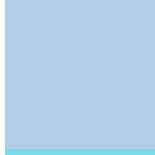
Original Color

47.4819, 60.8528, 82.6420



Protanomaly

53.0852, 59.7056, 77.1331



Deuteranomaly

54.8552, 59.3771, 84.1711



Tritanomaly

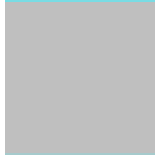
48.2079, 60.7572, 86.2773

Monochromacy



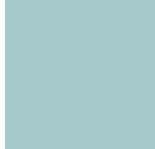
Original Color

47.4819, 60.8528, 82.6420



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.7455, 54.7077, 65.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4819, 60.8528, 82.6420 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, 220, 228)` looks like.

```
.text, #text, p{  
    color:rgb(121, 220, 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, 220, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 220, 228) }
```

Border

The CSS property to change the border of an element to XYZ 47.4819, 60.8528, 82.6420 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, 220, 228) }
```


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

```
.border{ border-color:rgb(121, 220, 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, 220, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 220, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 220, 228);  
box-shadow:4px 4px 4px 4px rgb(121, 220,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4819, 60.8528, 82.6420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 220, 228) }
```

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

```
.background{ background-color: rgb(121,  
220, 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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