

Converting Colors

XYZ(51.2728, 60.9674, 82.3597)

Have a look what the booklet for
XYZ(51.2728, 60.9674, 82.3597)
contains.

XYZ(51.2529, 60.8777, 82.4480)	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(51.2529, 60.8777,
82.4480)**

Conversions

Conversions Part 1

Format	Color
Hex	98D7E4
RGB	152, 215, 228
RGB Percent	60%, 84%, 89%
CMY	0.4039, 0.1568, 0.1059
CMYK	0.33, 0.06, 0.00, 0.11
HSL	190°, 58%, 75%
HSV	190°, 33%, 89%
XYZ	51.2529, 60.8777, 82.4480
YIQ	197.6450, -41.7210, -9.3130

Conversions

Conversions Part 2

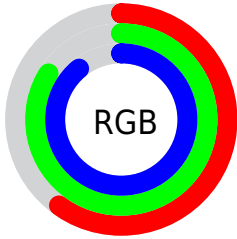
Format	Color
RYB	152, 186, 228
Decimal	10016740
CIELab	82.31, -16.79, -12.79
CIElCh	82, 21.107, 217.291
Yxy	60.8777, 0.2634, 0.3129
Android (android.graphics.Color)	4288206820 (0xFF98D7E4)
YUV	197.6450, 14.9650, -40.0307
Hunter-Lab	78.0242, -19.2883, -8.0347

Details

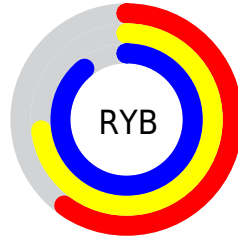
The XYZ color **51.2529, 60.8777, 82.4480** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1184, 45.6718, 35.8285**, and the grayscale version is **53.3928, 56.1734, 61.1728**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **25.1506, 30.7554, 44.1460** is the 20% darker color. If you saturate the color by 10%, you get **46.4082, 56.9251, 81.9414**, and if you desaturate by 10%, it is **56.9452, 65.3053, 83.0036**.

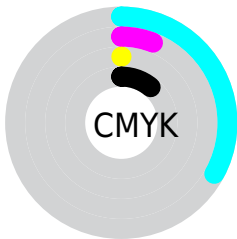
Distribution



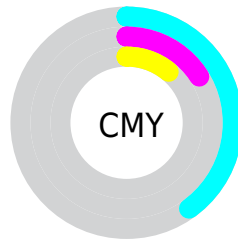
- Red (60%)
- Green (84%)
- Blue (89%)



- Red (60%)
- Yellow (73%)
- Blue (89%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)





- Cyan (40%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2529, 60.8777, 82.4480 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 51.2529, 60.8777, 82.4480 by changing the saturation by 10% instead.


 51.2529, 60.8777,
82.4480


 51.2529, 60.8777,
82.4480


381.9171,
427.8254, 523.0677

 36.6318, 44.1265,
61.1969


 91.2093, 106.1018,
138.6444

 25.0949, 30.7700,
43.9525

 117.2752,
135.3435, 174.4268

 16.2769, 20.4237,
30.2963


147.8868,
169.5175, 215.8900

 9.8124, 12.7034,
19.8096

183.4094,
209.0082, 263.4526

 5.3360, 7.2246,
12.0740

224.2084,
254.1999, 317.5331

 2.4825, 3.6030,
6.6710

270.6491,

 0.8865, 1.4541,

305.4771, 378.5502

3.1819

323.0969,
363.2241, 446.9222

■ 0.0000, 0.2561,
1.1882

■ 0.0000, 0.0000,
0.0000

■ 51.2529, 60.8777,
82.4480

■ 51.2529, 60.8777,
82.4480

■ 46.4082, 56.9251,
81.9414

■ 56.9452, 65.3053,
83.0036

■ 42.3582, 53.4156,
81.4775

■ 63.5231, 70.2234,
83.6062

■ 39.0527, 50.3245,
81.0551

■ 71.0290, 75.6555,
84.2591

■ 36.4332, 47.6215,
80.6714

■ 79.5008, 81.6214,
84.9641

■ 34.4321, 45.2715,
80.3233

■ 84.8094, 85.9927,
85.5281

■ 32.9677, 43.2320,
80.0068

■ 85.9349, 88.2438,
85.9033

■ 32.2031, 42.0001,
79.8093

■ 87.0851, 90.5442,
86.2867

■ 88.2600, 92.8940,
86.6783

■ 89.4599, 95.2937,
87.0783

Harmonies

Analogous

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



49.7030, 60.8777, 69.4780



51.2529, 60.8777, 82.4480



54.5884, 60.8777, 91.8518

Triad

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



51.2529, 60.8777, 82.4480



66.2103, 60.8777, 76.3115



56.7720, 60.8777, 44.6328

Complementary

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



51.2529, 60.8777, 82.4480



51.1184, 45.6718, 35.8285

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.



61.2648, 60.8777, 45.9667



51.2529, 60.8777, 82.4480



66.8692, 60.8777, 63.1923

Square

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



51.2529, 60.8777, 82.4480



63.2605, 60.8777, 88.0009



65.0171, 60.8777, 52.3866



52.7806, 60.8777, 48.4730

Rectangle

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



51.2529, 60.8777, 82.4480



57.4548, 60.8777, 94.2234



65.0171, 60.8777, 52.3866



58.2720, 60.8777, 44.5004

Sweetspot

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



51.2547, 60.8801, 82.4494



84.9074, 92.7294, 108.0312



47.4548, 64.8679, 45.4595



17.8899, 19.6410, 23.0981



0.0000, 0.0000, 0.0000



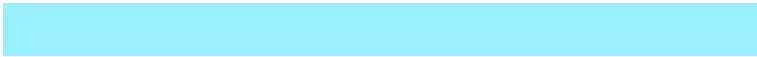
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.2547, 60.8801, 82.4494



61.6322, 74.8829, 105.8132



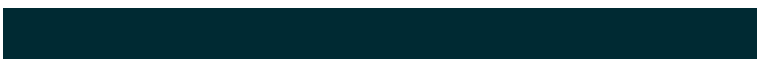
42.7419, 43.8544, 79.6118



14.5867, 15.8948, 18.4435



18.6718, 24.4056, 46.1098



1.4354, 1.9147, 3.4259

Inverse Universe

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



55.4904, 43.8583, 69.8335



67.9986, 50.1894, 86.6507



58.9409, 61.3169, 38.4360



14.8837, 14.5707, 17.5881



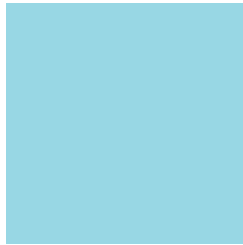
23.8181, 11.6615, 29.0010



1.7881, 0.8730, 2.2909

Previews

White Background



This preview shows how the XYZ color 51.2529, 60.8777, 82.4480 looks on a white background.

Color Contrast Check

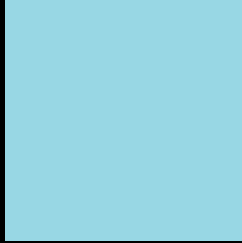
Large Text (above 18pt) WCAG AA × Fail

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 51.2529, 60.8777, 82.4480 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 51.2529, 60.8777, 82.4480

Background



This preview shows how black text looks on a background with the XYZ color 51.2529, 60.8777, 82.4480.

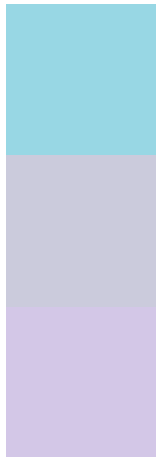


This preview shows how white text looks on a background with the XYZ color 51.2529, 60.8777,

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

51.2529, 60.8777, 82.4480

Protanopia

58.9028, 60.5757, 76.2979

Deuteranopia

61.7112, 60.4653, 84.0197



Tritanopia

51.7489, 60.6916, 85.3311

Trichromacy



Original Color

51.2529, 60.8777, 82.4480

Protanomaly

55.3993, 60.1437, 78.5011

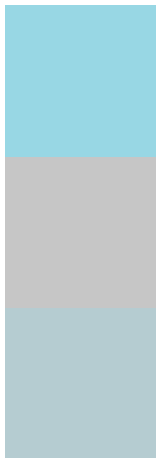
Deuteranomaly

57.3495, 60.3230, 83.4838

Tritanomaly

51.6072, 60.6350, 84.5850

Monochromacy



Original Color

51.2529, 60.8777, 82.4480

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.1575, 57.6129, 68.6930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2529, 60.8777, 82.4480 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(152, 215, 228)` looks like.

```
.text, #text, p{  
    color:rgb(152, 215, 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(152, 215, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 215, 228) }
```

Border

The CSS property to change the border of an element to XYZ 51.2529, 60.8777, 82.4480 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(152, 215, 228) }
```


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

```
.border{ border-color:rgb(152, 215, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 215, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 215, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 215, 228);  
box-shadow:4px 4px 4px 4px rgb(152, 215,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2529, 60.8777, 82.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 215, 228) }
```

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

```
.background{ background-color: rgb(152,  
215, 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](#).

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