

Converting Colors

XYZ(47.2007, 57.9817, 83.2021)

Have a look what the booklet for
XYZ(47.2007, 57.9817, 83.2021)
contains.

XYZ(47.2831, 58.0475, 83.5751)	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(47.2831, 58.0475,
83.5751)**

Conversions

Conversions Part 1

Format	Color
Hex	82D5E6
RGB	130, 213, 230
RGB Percent	51%, 84%, 90%
CMY	0.4902, 0.1647, 0.0980
CMYK	0.43, 0.07, 0.00, 0.10
HSL	190°, 67%, 71%
HSV	190°, 43%, 90%
XYZ	47.2831, 58.0475, 83.5751
YIQ	190.1210, -54.9250, -12.3090

Conversions

Conversions Part 2

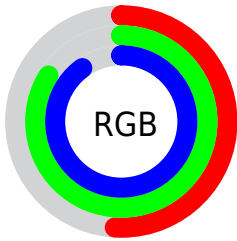
Format	Color
RYB	130, 175, 230
Decimal	8574438
CIELab	80.77, -20.91, -16.28
CIELCh	81, 26.503, 217.907
Yxy	58.0475, 0.2503, 0.3073
Android (android.graphics.Color)	4286764518 (0xFF82D5E6)
YUV	190.1210, 19.6603, -52.7261
Hunter-Lab	76.1889, -22.5529, -11.7057

Details

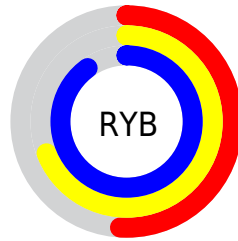
The XYZ color **47.2831, 58.0475, 83.5751** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0972, 39.3032, 26.2246**, and the grayscale version is **48.9277, 51.4758, 56.0571**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **22.5393, 28.8874, 44.4323** is the 20% darker color. If you saturate the color by 10%, you get **43.1706, 54.4864, 83.1055**, and if you desaturate by 10%, it is **52.2114, 62.0670, 84.0922**.

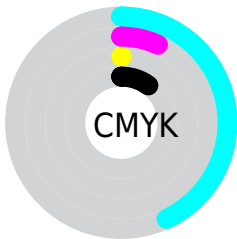
Distribution



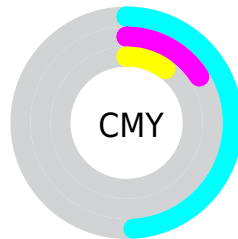
- Red (51%)
- Green (84%)
- Blue (90%)



- Red (51%)
- Yellow (69%)
- Blue (90%)



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2831, 58.0475, 83.5751 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 47.2831, 58.0475, 83.5751 by changing the saturation by 10% instead.

47.2831, 58.0475,
83.5751

47.2831, 58.0475,
83.5751

366.5735,
417.3629, 526.9223

33.4684, 41.8468,
62.1213

85.3522, 101.9920,
140.2371

22.6465, 28.9814,
44.6943

110.3373,
130.5047, 176.2824

14.4519, 19.0667,
30.8755

139.7767,
163.8901, 218.0286

8.5195, 11.7185,
20.2464

174.0355,
202.5327, 265.8942

4.4837, 6.5523,
12.3884

213.4793,
246.8169, 320.2979

1.9792, 3.1837,
6.8831

258.4733,

0.6223, 1.2284,

297.1271, 381.6581

3.3117

309.3829,
353.8476, 450.3934

■ 0.0000, 0.0847,
1.2559

■ 0.0000, 0.0000,
0.0253

■ 47.2831, 58.0475,
83.5751

■ 47.2831, 58.0475,
83.5751

■ 43.1706, 54.4864,
83.1055

■ 52.2114, 62.0670,
84.0922

■ 39.8151, 51.3492,
82.6768


■ 57.9984, 66.5633,
84.6551


■ 37.1586, 48.6070,
82.2875


■ 64.6905, 71.5619,
85.2672


■ 35.1319, 46.2239,
81.9344


■ 72.3292, 77.0844,
85.9305


 33.6510, 44.1565,
81.6134


 80.9533, 83.1510,
86.6470

 32.8932, 42.9335,
81.4173

 85.6516, 87.2302,
87.1867

 86.7925, 89.5121,
87.5670

 87.9583, 91.8436,
87.9556

 89.1490, 94.2251,
88.3525

Harmonies

Analogous

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



45.3968, 58.0475, 67.4390



47.2831, 58.0475, 83.5751



51.3105, 58.0475, 95.4235

Triad

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



47.2831, 58.0475, 83.5751



65.5028, 58.0475, 75.2231



53.7381, 58.0475, 37.8170

Complementary

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



47.2831, 58.0475, 83.5751



47.0972, 39.3032, 26.2246

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.



59.2234, 58.0475, 39.2006



47.2831, 58.0475, 83.5751



66.2594, 58.0475, 59.1499

Square

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



47.2831, 58.0475, 83.5751



61.8898, 58.0475, 90.0732



63.8938, 58.0475, 46.4451



48.9595, 58.0475, 42.2922

Rectangle

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



47.2831, 58.0475, 83.5751



54.7892, 58.0475, 98.3368



63.8938, 58.0475, 46.4451



55.5573, 58.0475, 37.6283

Sweetspot

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



47.2849, 58.0497, 83.5765



82.1169, 90.7032, 107.7872



42.7444, 63.4368, 37.4601



17.1506, 19.1008, 23.0328



0.0000, 0.0000, 0.0000



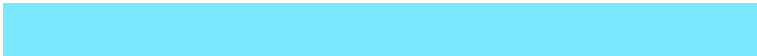
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2849, 58.0497, 83.5765



55.1192, 69.3595, 105.0904



36.6468, 36.7736, 80.0304



14.5880, 15.8975, 18.4440



18.7009, 24.4639, 46.1195



1.4373, 1.9185, 3.4265

Inverse Universe

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



52.6275, 37.5939, 67.4358



62.8797, 41.1299, 81.3119



56.5543, 58.2174, 29.3770



14.8844, 14.5709, 17.5916



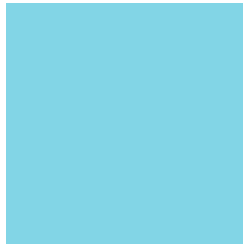
23.8329, 11.6674, 29.0785



1.7891, 0.8734, 2.2959

Previews

White Background



This preview shows how the XYZ color 47.2831, 58.0475, 83.5751 looks on a white background.

Color Contrast Check

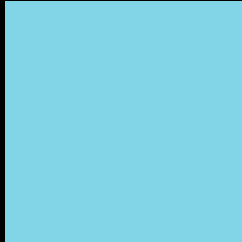
Large Text (above 18pt) WCAG AA × Fail

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 47.2831, 58.0475, 83.5751 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 47.2831, 58.0475, 83.5751

Background



This preview shows how black text looks on a background with the XYZ color 47.2831, 58.0475, 83.5751.

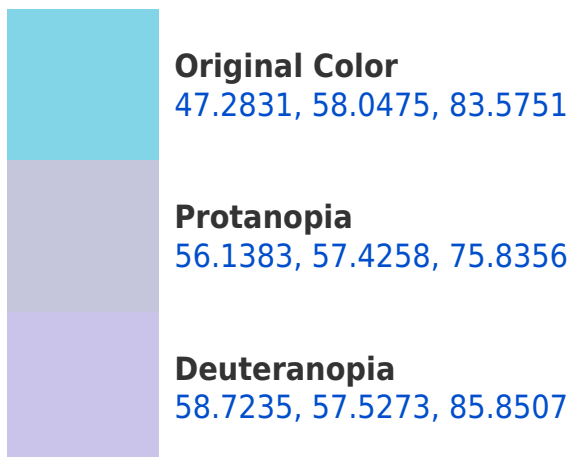


This preview shows how white text looks on a background with the XYZ color 47.2831, 58.0475,

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





Tritanopia

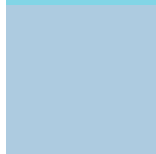
47.2831, 58.0475, 83.5751

Trichromacy



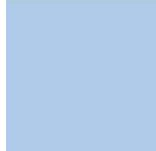
Original Color

47.2831, 58.0475, 83.5751



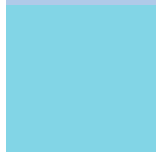
Protanomaly

52.0441, 56.9779, 78.7758



Deuteranomaly

53.7330, 57.3544, 85.3293



Tritanomaly

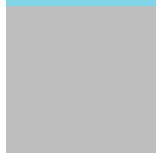
47.2831, 58.0475, 83.5751

Monochromacy



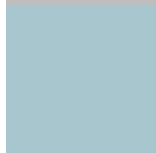
Original Color

47.2831, 58.0475, 83.5751



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.3620, 53.1208, 65.5147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2831, 58.0475, 83.5751 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(130, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(130, 213, 230)  
}
```

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(130, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 213, 230) }
```

Border

The CSS property to change the border of an element to XYZ 47.2831, 58.0475, 83.5751 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(130, 213, 230) }
```


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

```
.border{ border-color:rgb(130, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(130, 213,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2831, 58.0475, 83.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 213, 230) }
```

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

```
.background{ background-color: rgb(130,  
213, 230) }
```

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