

Converting Colors

XYZ(42.7699, 56.6847, 60.2867)

Have a look what the booklet for
XYZ(42.7699, 56.6847, 60.2867)
contains.

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Color

**XYZ(42.7990, 56.6225,
60.3032)**

Conversions

Conversions Part 1

Format	Color
Hex	80D6C3
RGB	128, 214, 195
RGB Percent	50%, 84%, 76%
CMY	0.4980, 0.1608, 0.2353
CMYK	0.40, 0.00, 0.09, 0.16
HSL	167°, 51%, 67%
HSV	167°, 40%, 84%
XYZ	42.7990, 56.6225, 60.3032
YIQ	186.1200, -45.1570, -24.1410

Conversions

Conversions Part 2

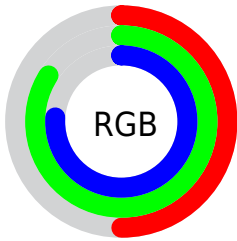
Format	Color
RYB	128, 176, 214
Decimal	8443587
CIELab	79.97, -30.41, 1.22
CIELCh	80, 30.436, 177.711
Yxy	56.6225, 0.2680, 0.3545
Android (android.graphics.Color)	4286633667 (0xFF80D6C3)
YUV	186.1200, 4.3778, -50.9712
Hunter-Lab	75.2479, -30.1579, 5.1589

Details

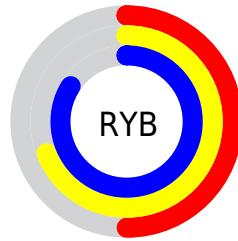
The XYZ color **42.7990, 56.6225, 60.3032** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.7192, 31.8426, 31.6061**, and the grayscale version is **46.7351, 49.1689, 53.5450**.

A 20% lighter version of the original color is **72.9398, 88.6754, 104.5385**, and **19.9535, 28.1358, 29.5784** is the 20% darker color. If you saturate the color by 10%, you get **39.3874, 54.9260, 57.3976**, and if you desaturate by 10%, it is **46.9095, 58.6802, 63.3323**.

Distribution



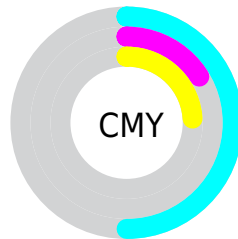
- Red (50%)
- Green (84%)
- Blue (76%)



- Red (50%)
- Yellow (69%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)





- Cyan (50%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7990, 56.6225, 60.3032 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 42.7990, 56.6225, 60.3032 by changing the saturation by 10% instead.


 42.7990, 56.6225,
60.3032


 42.7990, 56.6225,
60.3032


348.7200,
412.0333, 443.5501

 29.9213, 40.7022,
43.2362


 78.6651, 99.9142,
106.8170

 19.9266, 28.0865,
29.7377


 102.3841,
128.0543, 137.1009

 12.4497, 18.3909,
19.3892


 130.4476,
161.0366, 172.6276

 7.1251, 11.2310,
11.7722

163.2210,
199.2454, 213.8154

 3.5875, 6.2224,
6.4681

201.0696,
243.0650, 261.0830

 1.4715, 2.9808,
3.0584

244.3587,

 0.3063, 1.1217,

292.8800, 314.8490

1.1245

293.4537,
349.0746, 375.5318

■ 0.0000, 0.0000,
0.0000

■ 42.7990, 56.6225,
60.3032

■ 42.7990, 56.6225,
60.3032

■ 39.3874, 54.9260,
57.3976

■ 46.9095, 58.6802,
63.3323

■ 36.6268, 53.5617,
54.6089

■ 51.7536, 61.1127,
66.4838

■ 34.4707, 52.5071,
51.9352

■ 57.3694, 63.9410,
69.7613

■ 32.8640, 51.7339,
49.3731


■ 63.7907, 67.1826,
73.1673


■ 31.7418, 51.2086,
46.9189

■ 71.0496, 70.8539,
76.7040

 30.9966, 50.8748,
44.6090

 78.6572, 74.7030,
80.3493

 79.3052, 74.9622,
83.7619

 79.9713, 75.2286,
87.2691

 80.6554, 75.5023,
90.8716

Harmonies

Analogous

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



44.3870, 56.6225, 45.2049



42.7990, 56.6225, 60.3032



43.9709, 56.6225, 78.8651

Triad

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



42.7990, 56.6225, 60.3032



59.5334, 56.6225, 96.9445



60.4168, 56.6225, 37.1314

Complementary

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



42.7990, 56.6225, 60.3032



40.7192, 31.8426, 31.6061

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.



65.0352, 56.6225, 47.1461



42.7990, 56.6225, 60.3032



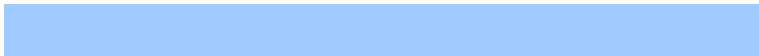
64.4983, 56.6225, 81.6715

Square

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



42.7990, 56.6225, 60.3032



53.3448, 56.6225, 102.2794



66.5824, 56.6225, 63.0213



54.2939, 56.6225, 33.5223

Rectangle

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



42.7990, 56.6225, 60.3032



46.2136, 56.6225, 90.4012



66.5824, 56.6225, 63.0213



62.2139, 56.6225, 39.7532

Sweetspot

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



42.8006, 56.6248, 60.3045



83.6049, 94.2234, 102.7817



40.1694, 55.9562, 29.1066



17.6511, 20.0448, 21.8606



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.



42.8006, 56.6248, 60.3045



59.3672, 82.0730, 86.0787



39.6868, 46.7370, 70.5504



12.6693, 14.0587, 15.3388



18.7751, 30.7654, 27.1752



1.1621, 1.8675, 1.7954

Inverse Universe

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



40.7192, 31.8426, 31.6061



55.8870, 40.4514, 37.9575



42.6856, 37.9681, 25.5019



12.5345, 12.4653, 13.4888



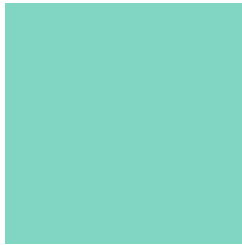
17.1078, 8.7794, 2.6056



1.0635, 0.5422, 0.3237

Previews

White Background



This preview shows how the XYZ color 42.7990, 56.6225, 60.3032 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 42.7990, 56.6225, 60.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

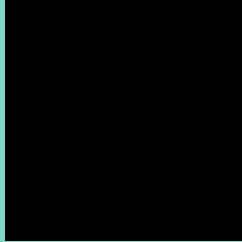
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7990, 56.6225, 60.3032

Background



This preview shows how black text looks on a background with the XYZ color 42.7990, 56.6225, 60.3032.



This preview shows how white text looks on a background with the XYZ color 42.7990, 56.6225,

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

42.7990, 56.6225, 60.3032

Protanopia

53.3987, 55.8200, 53.8589

Deuteranopia

57.0805, 55.8788, 62.4208



Tritanopia

46.6813, 56.3262, 80.3632

Trichromacy



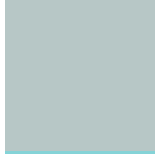
Original Color

42.7990, 56.6225, 60.3032



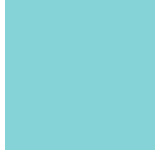
Protanomaly

48.4457, 55.6161, 56.3257



Deuteranomaly

50.1449, 54.9913, 61.3976



Tritanomaly

45.2329, 56.4814, 72.8079

Monochromacy



Original Color

42.7990, 56.6225, 60.3032



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.4423, 51.1533, 55.6753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7990, 56.6225, 60.3032 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(128, 214, 195)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 195)  
}
```

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(128, 214, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 195) }
```

Border

The CSS property to change the border of an element to XYZ 42.7990, 56.6225, 60.3032 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(128, 214, 195) }
```


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

```
.border{ border-color:rgb(128, 214, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 214, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 195);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7990, 56.6225, 60.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 195) }
```

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

```
.background{ background-color: rgb(128,  
214, 195) }
```

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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