

Converting Colors

XYZ(42.6263, 57.9930, 80.8986)

Have a look what the booklet for
XYZ(42.6263, 57.9930, 80.8986)
contains.

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Color

**XYZ(42.6263, 57.9930,
80.8986)**

Conversions

Conversions Part 1

Format	Color
Hex	53DBE2
RGB	83, 219, 226
RGB Percent	33%, 86%, 89%
CMY	0.6745, 0.1412, 0.1137
CMYK	0.63, 0.03, 0.00, 0.11
HSL	183°, 71%, 61%
HSV	183°, 63%, 89%
XYZ	42.6263, 57.9930, 80.8986
YIQ	179.1340, -83.3030, -26.6550

Conversions

Conversions Part 2

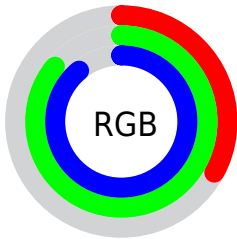
Format	Color
RYP	83, 153, 226
Decimal	5495778
CIELab	80.73, -34.24, -14.36
CIElCh	81, 37.128, 202.753
Yxy	57.9930, 0.2348, 0.3195
Android (android.graphics.Color)	4283685858 (0xFF53DBE2)
YUV	179.1340, 23.1049, -84.3095
Hunter-Lab	76.1531, -33.3536, -9.6774

Details

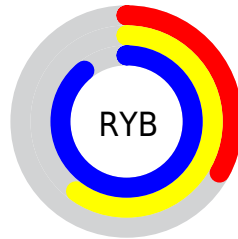
The XYZ color **42.6263, 57.9930, 80.8986** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.5829, 24.1071, 10.9104**, and the grayscale version is **42.8337, 45.0644, 49.0751**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **20.6261, 29.4912, 43.1333** is the 20% darker color. If you saturate the color by 10%, you get **40.6607, 56.5540, 80.7255**, and if you desaturate by 10%, it is **45.2470, 59.7751, 81.1055**.

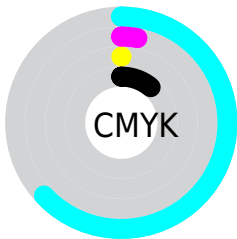
Distribution



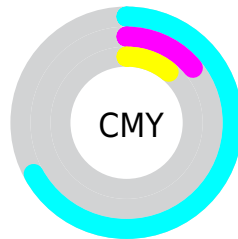
- Red (33%)
- Green (86%)
- Blue (89%)



- Red (33%)
- Yellow (60%)
- Blue (89%)



- Cyan (63%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)





- Cyan (67%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6263, 57.9930, 80.8986 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 42.6263, 57.9930, 80.8986 by changing the saturation by 10% instead.


 42.6263, 57.9930,
80.8986


 42.6263, 57.9930,
80.8986


348.0203,
417.1599, 517.7424

 29.7853, 41.8030,
59.9276


 78.4059, 101.9127,
136.4512


 19.8229, 28.9471,
42.9353

 102.0751,
130.4111, 171.8698

 12.3739, 19.0408,
29.5034

 130.0844,
163.7812, 212.9414

 7.0729, 11.6998,
19.2131

 162.7993,
202.4074, 260.0844

 3.5544, 6.5396,
11.6460

200.5849,
246.6739, 313.7176

 1.4533, 3.1759,
6.3835

243.8067,

 0.2937, 1.2242,

296.9652, 374.2592

3.0071

292.8301,
353.6657, 442.1280

■ 0.0000, 0.0814,
1.0983

■ 0.0000, 0.0000,
0.0000

■ 42.6263, 57.9930,
80.8986

■ 42.6263, 57.9930,
80.8986

■ 40.6607, 56.5540,
80.7255

■ 45.2470, 59.7751,
81.1055

■ 39.2790, 55.4176,
80.5790


■ 48.5746, 61.9232,
81.3448


■ 38.4033, 54.5449,
80.4567


■ 52.6615, 64.4656,
81.6201


■ 38.0130, 54.0618,
80.3840


■ 57.5539, 67.4261,
81.9337

 63.2944, 70.8267,
82.2875

 69.9222, 74.6876,
82.6834

 77.4745, 79.0279,
83.1231

 82.6703, 82.1564,
83.4531

 82.9753, 82.7664,
83.5548

Harmonies

Analogous

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



41.7659, 57.9930, 57.9727



42.6263, 57.9930, 80.8986



46.6801, 57.9930, 103.0134

Triad

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



42.6263, 57.9930, 80.8986



67.6924, 57.9930, 92.2618



56.9991, 57.9930, 29.8693

Complementary

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



42.6263, 57.9930, 80.8986



36.5829, 24.1071, 10.9104

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.



64.5217, 57.9930, 35.1729



42.6263, 57.9930, 80.8986



71.0559, 57.9930, 68.6152

Square

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



42.6263, 57.9930, 80.8986



61.0138, 57.9930, 110.5630



69.8450, 57.9930, 48.1988



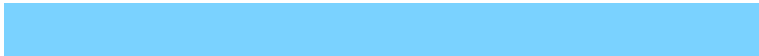
49.6196, 57.9930, 31.6929

Rectangle

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



42.6263, 57.9930, 80.8986



50.8691, 57.9930, 112.5878



69.8450, 57.9930, 48.1988



59.6027, 57.9930, 30.8260

Sweetspot

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



42.6281, 57.9952, 80.9000



78.6648, 90.4371, 107.9178



32.5169, 56.9337, 18.4592



16.3885, 19.0901, 23.0709



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.



42.6281, 57.9952, 80.9000



52.7953, 73.8355, 106.0768



28.1604, 29.0598, 76.0774



14.0561, 15.4513, 17.6292



21.7124, 30.8944, 45.8672



1.5229, 2.1773, 3.1852

Inverse Universe

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



47.2450, 27.4715, 69.8325



59.4797, 31.2430, 89.6948



45.3710, 41.6834, 13.8398



14.2645, 13.9234, 17.1632



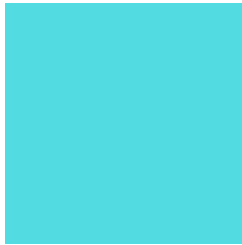
24.8996, 12.0268, 37.7327



1.7350, 0.8373, 2.6631

Previews

White Background



This preview shows how the XYZ color 42.6263, 57.9930, 80.8986 looks on a white background.

Color Contrast Check

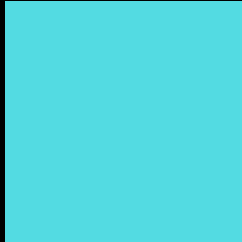
Large Text (above 18pt) WCAG AA × Fail

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 42.6263, 57.9930, 80.8986 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 42.6263, 57.9930, 80.8986

Background



This preview shows how black text looks on a background with the XYZ color 42.6263, 57.9930, 80.8986.

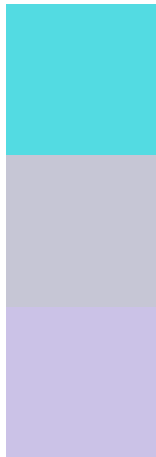


This preview shows how white text looks on a background with the XYZ color 42.6263, 57.9930,

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

42.6263, 57.9930, 80.8986

Protanopia

55.4930, 57.1980, 71.0663

Deuteranopia

58.3442, 57.0496, 83.5379



Tritanopia

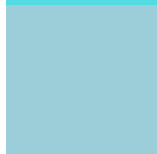
43.9973, 58.1672, 87.5058

Trichromacy



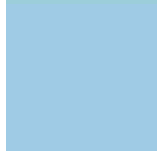
Original Color

42.6263, 57.9930, 80.8986



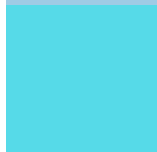
Protanomaly

48.4365, 56.2725, 74.6385



Deuteranomaly

49.7969, 55.7399, 82.2631



Tritanomaly

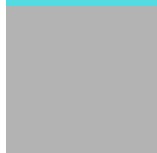
43.4746, 57.9474, 85.2376

Monochromacy



Original Color

42.6263, 57.9930, 80.8986



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.7572, 48.4984, 59.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6263, 57.9930, 80.8986 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(83, 219, 226)` looks like.

```
.text, #text, p{  
    color:rgb(83, 219, 226)  
}
```

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(83, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 219, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.6263, 57.9930, 80.8986 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(83, 219, 226) }
```


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

```
.border{ border-color:rgb(83, 219, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 219, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 219, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 219, 226);  
box-shadow:4px 4px 4px 4px rgb(83, 219,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6263, 57.9930, 80.8986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 219, 226) }
```

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

```
.background{ background-color: rgb(83, 219,  
226) }
```

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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