

Converting Colors

XYZ(42.4008, 61.0795, 67.6076)

Have a look what the booklet for
XYZ(42.4008, 61.0795, 67.6076)
contains.

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Color

**XYZ(42.2403, 60.8752,
67.2814)**

Conversions

Conversions Part 1

Format	Color
Hex	58E2CD
RGB	88, 226, 205
RGB Percent	35%, 89%, 80%
CMY	0.6549, 0.1137, 0.1961
CMYK	0.61, 0.00, 0.09, 0.11
HSL	171°, 70%, 62%
HSV	171°, 61%, 89%
XYZ	42.2403, 60.8752, 67.2814
YIQ	182.3440, -75.5070, -35.7870

Conversions

Conversions Part 2

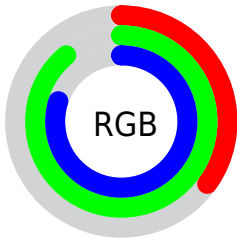
Format	Color
R _Y B	88, 163, 226
Decimal	5825229
CIE Lab	82.31, -42.19, -0.85
CIE LCh	82, 42.202, 181.150
Yxy	60.8752, 0.2479, 0.3573
Android (android.graphics.Color)	4284015309 (0xFF58E2CD)
YUV	182.3440, 11.1694, -82.7397
Hunter-Lab	78.0226, -39.9021, 3.4881

Details

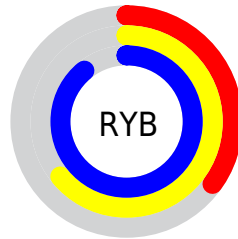
The XYZ color **42.2403, 60.8752, 67.2814** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.6161, 24.2540, 17.1691**, and the grayscale version is **44.6231, 46.9470, 51.1253**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **19.9606, 30.9838, 34.2066** is the 20% darker color. If you saturate the color by 10%, you get **40.0131, 59.7760, 65.0347**, and if you desaturate by 10%, it is **45.1430, 62.3245, 69.6101**.

Distribution



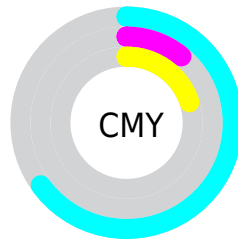
- Red (35%)
- Green (89%)
- Blue (80%)



- Red (35%)
- Yellow (64%)
- Blue (89%)



- Cyan (61%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)





- Cyan (65%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2403, 60.8752, 67.2814 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 42.2403, 60.8752, 67.2814 by changing the saturation by 10% instead.


 42.2403, 60.8752,
67.2814


 42.2403, 60.8752,
67.2814


346.4528,
427.8163, 469.4745


 29.4814, 44.1245,
48.8503


 77.8261, 106.0982,
116.9680


 19.5914, 30.7684,
34.1360


 101.3837,
135.3393, 149.0606

 12.2049, 20.4225,
22.7199

 129.2716,
169.5126, 186.5441

 6.9566, 12.7026,
14.1835

 161.8551,
209.0025, 229.8371

 3.4811, 7.2240,
8.1082

199.4996,
254.1934, 279.3581

 1.4130, 3.6026,
4.0755

242.5705,

 0.2654, 1.4538,

305.4698, 335.5256

1.6668

291.4331,
363.2159, 398.7583

■ 0.0000, 0.2559,
0.3379

■ 0.0000, 0.0000,
0.0000

■ 42.2403, 60.8752,
67.2814

■ 42.2403, 60.8752,
67.2814

■ 40.0131, 59.7760,
65.0347

■ 45.1430, 62.3245,
69.6101

■ 38.3927, 58.9870,
62.8623


■ 48.7715, 64.1455,
72.0194


■ 37.3045, 58.4714,
60.7620


■ 53.1773, 66.3662,
74.5132


■ 36.6684, 58.1831,
58.9396


■ 58.4056, 69.0098,
77.0942

 64.4984, 72.0979,
79.7644

 71.4944, 75.6506,
82.5260

 79.4304, 79.6868,
85.3810

 83.0766, 81.5104,
88.0849

 83.5715, 81.7084,
90.6913

Harmonies

Analogous

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



44.0009, 60.8752, 45.1489



42.2403, 60.8752, 67.2814



44.2907, 60.8752, 95.3327

Triad

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



42.2403, 60.8752, 67.2814



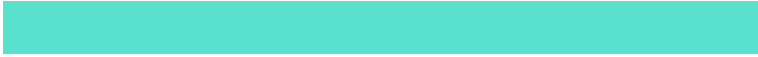
67.2709, 60.8752, 118.3227



66.6086, 60.8752, 31.6879

Complementary

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



42.2403, 60.8752, 67.2814



37.6161, 24.2540, 17.1691

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.



73.9514, 60.8752, 43.8295



42.2403, 60.8752, 67.2814



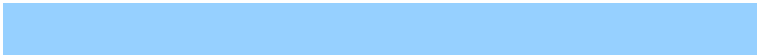
74.3608, 60.8752, 93.1565

Square

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



42.2403, 60.8752, 67.2814



58.2077, 60.8752, 129.1257



76.9217, 60.8752, 65.2940



57.5138, 60.8752, 28.0831

Rectangle

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



42.2403, 60.8752, 67.2814



47.6795, 60.8752, 112.7993



76.9217, 60.8752, 65.2940



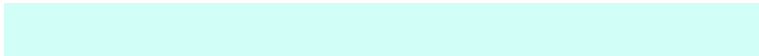
69.3955, 60.8752, 34.7187

Sweetspot

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



42.2421, 60.8776, 67.2828



79.0283, 91.8681, 102.3858



35.5153, 58.4792, 18.6495



16.4386, 19.4221, 21.6973



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.



42.2421, 60.8776, 67.2828



52.0232, 78.3076, 84.8072



34.0752, 40.2105, 77.9196



14.0222, 15.5346, 17.1522



20.9541, 33.2065, 33.8109



1.4770, 2.3115, 2.4731

Inverse Universe

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



37.6161, 24.2540, 17.1691



45.5250, 26.3642, 14.0428



41.6527, 33.9256, 13.5867



13.7918, 13.7344, 14.6740



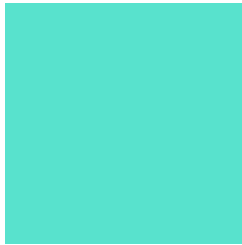
18.0885, 9.3024, 1.8657



1.2807, 0.6555, 0.2708

Previews

White Background



This preview shows how the XYZ color 42.2403, 60.8752, 67.2814 looks on a white background.

Color Contrast Check

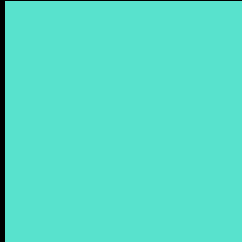
Large Text (above 18pt) WCAG AA × Fail

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 42.2403, 60.8752, 67.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

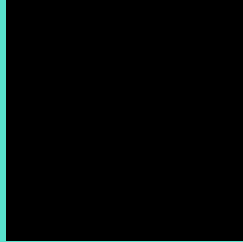
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

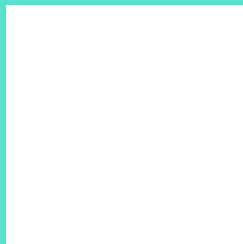
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2403, 60.8752, 67.2814

Background



This preview shows how black text looks on a background with the XYZ color 42.2403, 60.8752, 67.2814.

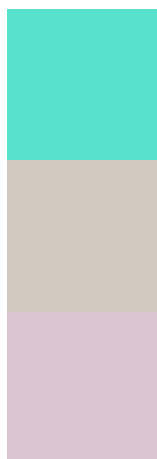


This preview shows how white text looks on a background with the XYZ color 42.2403, 60.8752,

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

42.2403, 60.8752, 67.2814

Protanopia

57.2133, 59.7485, 58.3863

Deuteranopia

60.9375, 59.6957, 69.9387



Tritanopia

46.9159, 60.7697, 90.9183

Trichromacy



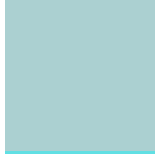
Original Color

42.2403, 60.8752, 67.2814



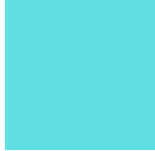
Protanomaly

49.0982, 58.7267, 61.5710



Deuteranomaly

50.8591, 58.3731, 68.9082



Tritanomaly

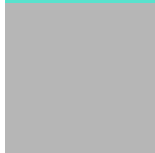
45.1826, 60.8628, 82.0394

Monochromacy



Original Color

42.2403, 60.8752, 67.2814



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.7011, 50.4018, 56.2458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2403, 60.8752, 67.2814 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(88, 226, 205)` looks like.

```
.text, #text, p{  
    color:rgb(88, 226, 205)  
}
```

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(88, 226, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 226, 205) }
```

Border

The CSS property to change the border of an element to XYZ 42.2403, 60.8752, 67.2814 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(88, 226, 205) }
```


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

```
.border{ border-color:rgb(88, 226, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 226, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 226, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 226, 205);  
box-shadow:4px 4px 4px 4px rgb(88, 226,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2403, 60.8752, 67.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 226, 205) }
```

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

```
.background{ background-color: rgb(88, 226,  
205) }
```

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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