

Converting Colors

XYZ(42.8237, 56.5974, 82.7974)

Have a look what the booklet for
XYZ(42.8237, 56.5974, 82.7974)
contains.

XYZ(42.7577, 56.4822, 82.7773)	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(42.7577, 56.4822,
82.7773)**

Conversions

Conversions Part 1

Format	Color
Hex	5BD7E5
RGB	91, 215, 229
RGB Percent	36%, 84%, 90%
CMY	0.6431, 0.1568, 0.1020
CMYK	0.60, 0.06, 0.00, 0.10
HSL	186°, 73%, 63%
HSV	186°, 60%, 90%
XYZ	42.7577, 56.4822, 82.7773
YIQ	179.5200, -78.3980, -21.9340

Conversions

Conversions Part 2

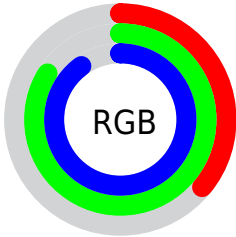
Format	Color
R_{YB}	91, 156, 229
Decimal	6019045
CIE _{Lab}	79.89, -30.19, -17.21
CIE _{LCh}	80, 34.755, 209.686
Yxy	56.4822, 0.2349, 0.3103
Android (android.graphics.Color)	4284209125 (0xFF5BD7E5)
YUV	179.5200, 24.3936, -77.6320
Hunter-Lab	75.1546, -29.9667, -12.6953

Details

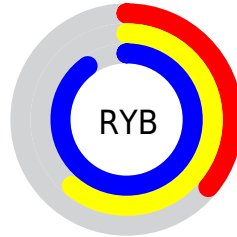
The XYZ color **42.7577, 56.4822, 82.7773** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **39.2543, 27.5179, 13.1418**, and the grayscale version is **43.0309, 45.2718, 49.3010**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **20.2108, 28.1976, 44.4219** is the 20% darker color. If you saturate the color by 10%, you get **40.2484, 54.3179, 82.4928**, and if you desaturate by 10%, it is **45.9675, 59.0225, 83.0995**.

Distribution



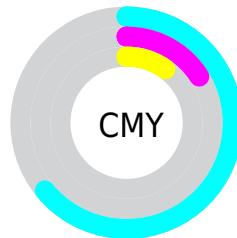
- Red (36%)
- Green (84%)
- Blue (90%)



- Red (36%)
- Yellow (61%)
- Blue (90%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (64%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7577, 56.4822, 82.7773 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 42.7577, 56.4822, 82.7773 by changing the saturation by 10% instead.

■ 42.7577, 56.4822,
82.7773

■ 42.7577, 56.4822,
82.7773

348.5528,
411.5062, 524.1956

■ 29.8887, 40.5897,
61.4669

■ 78.6031, 99.7093,
139.1100

■ 19.9018, 27.9986,
44.1691

■ 102.3102,
127.8126, 174.9693

■ 12.4315, 18.3246,
30.4653

■ 130.3608,
160.7549, 216.5154

■ 7.1126, 11.1833,
19.9370

■ 163.1202,
198.9207, 264.1667

■ 3.5796, 6.1903,
12.1656

200.9537,
242.6943, 318.3418

■ 1.4671, 2.9611,
6.7327

244.2268,

■ 0.3033, 1.1115,

292.4602, 379.4593

3.2196

293.3047,
348.6027, 447.9377

■ 0.0000, 0.0000,
1.2078

■ 0.0000, 0.0000,
0.0000

■ 42.7577, 56.4822,
82.7773

■ 42.7577, 56.4822,
82.7773

■ 40.2484, 54.3179,
82.4928

■ 45.9675, 59.0225,
83.0995

■ 38.3693, 52.4897,
82.2390

■ 49.9293, 61.9618,
83.4580

■ 37.0450, 50.9598,
82.0135

■ 54.6958, 65.3285,
83.8566

■ 36.1594, 49.6900,
81.8151

■ 60.3134, 69.1466,
84.2975

66.8250, 73.4383,
84.7827

74.2707, 78.2241,
85.3140

82.6878, 83.5236,
85.8933

84.6885, 85.5280,
86.1747

85.3526, 86.8564,
86.3961

Harmonies

Analogous

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



41.2487, 56.4822, 61.2871



42.7577, 56.4822, 82.7773



47.1350, 56.4822, 101.4264

Triad

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



42.7577, 56.4822, 82.7773



66.2451, 56.4822, 83.2272



53.7589, 56.4822, 30.2962

Complementary

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



42.7577, 56.4822, 82.7773



39.2543, 27.5179, 13.1418

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.



60.8146, 56.4822, 33.7255



42.7577, 56.4822, 82.7773



68.3981, 56.4822, 61.7125

Square

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



42.7577, 56.4822, 82.7773



60.6749, 56.4822, 101.7236



66.3306, 56.4822, 44.2214



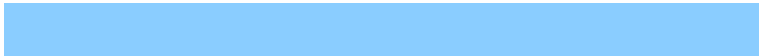
47.2530, 56.4822, 33.5832

Rectangle

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



42.7577, 56.4822, 82.7773



51.2961, 56.4822, 108.0953



66.3306, 56.4822, 44.2214



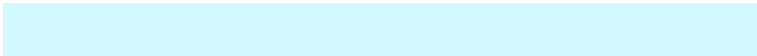
56.1461, 56.4822, 30.6885

Sweetspot

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



42.7594, 56.4843, 82.7787



78.6654, 89.3751, 107.7127



34.8747, 59.2799, 22.9167



16.3483, 18.8034, 23.0177



0.0000, 0.0000, 0.0000



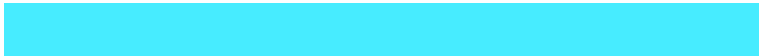
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7594, 56.4843, 82.7787



50.7817, 68.7823, 105.2076



28.7687, 28.5028, 78.1151



14.6760, 16.0733, 18.4733



20.7253, 28.5126, 46.7943



1.5678, 2.1795, 3.4700

Inverse Universe

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



48.3214, 29.0481, 67.3523



58.7137, 31.8955, 82.7053



49.3003, 47.6100, 16.4904



14.9288, 14.5887, 17.8254



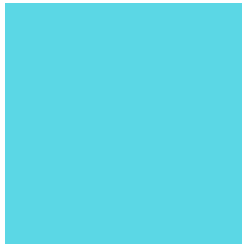
24.8547, 12.0761, 34.4592



1.8550, 0.8997, 2.6428

Previews

White Background



This preview shows how the XYZ color 42.7577, 56.4822, 82.7773 looks on a white background.

Color Contrast Check

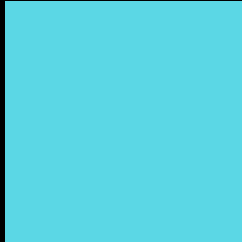
Large Text (above 18pt) WCAG AA × Fail

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 42.7577, 56.4822, 82.7773 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 42.7577, 56.4822, 82.7773

Background



This preview shows how black text looks on a background with the XYZ color 42.7577, 56.4822, 82.7773.



This preview shows how white text looks on a background with the XYZ color 42.7577, 56.4822,

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

42.7577, 56.4822, 82.7773

Protanopia

54.1579, 55.4574, 72.8157

Deuteranopia

56.9896, 55.6456, 85.5789



Tritanopia

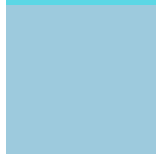
43.2796, 56.7024, 85.0075

Trichromacy



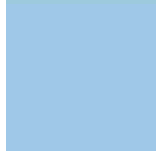
Original Color

42.7577, 56.4822, 82.7773



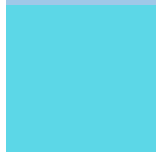
Protanomaly

48.0763, 54.6296, 76.4173



Deuteranomaly

49.5178, 54.5057, 84.2547



Tritanomaly

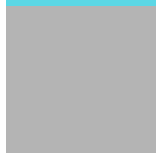
43.1379, 56.6457, 84.2614

Monochromacy



Original Color

42.7577, 56.4822, 82.7773



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.4757, 48.5130, 60.6040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7577, 56.4822, 82.7773 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(91, 215, 229)` looks like.

```
.text, #text, p{  
    color:rgb(91, 215, 229)  
}
```

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(91, 215, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 215, 229) }
```

Border

The CSS property to change the border of an element to XYZ 42.7577, 56.4822, 82.7773 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(91, 215, 229) }
```


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

```
.border{ border-color:rgb(91, 215, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 215, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 215, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 215, 229);  
box-shadow:4px 4px 4px 4px rgb(91, 215,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7577, 56.4822, 82.7773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 215, 229) }
```

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

```
.background{ background-color: rgb(91, 215,  
229) }
```

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