

Converting Colors

XYZ(42.6105, 55.5102, 86.7643)

Have a look what the booklet for
XYZ(42.6105, 55.5102, 86.7643)
contains.

XYZ(42.7201, 55.6129, 87.0800)	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(42.7201, 55.6129,
87.0800)**

Conversions

Conversions Part 1

Format	Color
Hex	57D5EB
RGB	87, 213, 235
RGB Percent	34%, 84%, 92%
CMY	0.6588, 0.1647, 0.0784
CMYK	0.63, 0.09, 0.00, 0.08
HSL	189°, 79%, 63%
HSV	189°, 63%, 92%
XYZ	42.7201, 55.6129, 87.0800
YIQ	177.8340, -82.1580, -19.8700

Conversions

Conversions Part 2

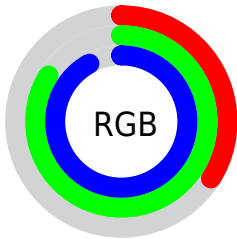
Format	Color
R_{YB}	87, 155, 235
Decimal	5756395
CIE _{Lab}	79.39, -28.17, -21.17
CIE _{LCh}	79, 35.244, 216.926
Yxy	55.6129, 0.2304, 0.2999
Android (android.graphics.Color)	4283946475 (0xFF57D5EB)
YUV	177.8340, 28.1828, -79.6614
Hunter-Lab	74.5741, -28.2500, -17.0310

Details

The XYZ color **42.7201, 55.6129, 87.0800** 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 **41.4513, 29.2892, 12.4872**, and the grayscale version is **42.1180, 44.3114, 48.2551**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **20.3635, 27.7084, 46.9228** is the 20% darker color. If you saturate the color by 10%, you get **40.0039, 52.9234, 86.7051**, and if you desaturate by 10%, it is **46.1726, 58.7124, 87.4973**.

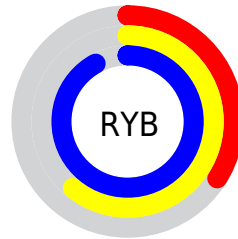
Distribution



Red (34%)

Green (84%)

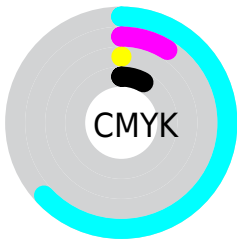
Blue (92%)



Red (34%)

Yellow (61%)

Blue (92%)

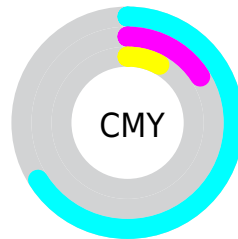


Cyan (63%)

Magenta (9%)

Yellow (0%)

Black (8%)



Cyan (66%)

Magenta (16%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7201, 55.6129, 87.0800 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 42.7201, 55.6129, 87.0800 by changing the saturation by 10% instead.

■ 42.7201, 55.6129,
87.0800

■ 42.7201, 55.6129,
87.0800

348.4005,
408.2310, 538.8087

■ 29.8591, 39.8926,
65.0014

■ 78.5467, 98.4384,
145.1755

■ 19.8792, 27.4549,
47.0109

■ 102.2430,
126.3124, 182.0295

■ 12.4150, 17.9151,
32.6898

■ 130.2817,
159.0064, 224.6457

■ 7.1012, 10.8891,
21.6198

■ 163.0284,
196.9049, 273.4426

■ 3.5724, 5.9923,
13.3822

200.8482,
240.3922, 328.8389

■ 1.4632, 2.8404,
7.5584

244.1066,

■ 0.3006, 1.0490,

289.8527, 391.2529

3.7300

293.1689,
345.6709, 461.1034

■ 0.0000, 0.0000,
1.4784

■ 0.0000, 0.0000,
0.2018

■ 42.7201, 55.6129,
87.0800

■ 42.7201, 55.6129,
87.0800

■ 40.0039, 52.9234,
86.7051

■ 46.1726, 58.7124,
87.4973

■ 37.9463, 50.6003,
86.3651

■ 50.4188, 62.2481,
87.9560

■ 36.4617, 48.6002,
86.0573

■ 55.5164, 66.2511,
88.4600

■ 35.6661, 47.3393,
85.8559

■ 61.5160, 70.7479,
89.0117

68.4645, 75.7625,
89.6134

76.4052, 81.3176,
90.2671

85.3789, 87.4343,
90.9748

87.6755, 90.1381,
91.3757

88.7192, 92.2255,
91.7235

Harmonies

Analogous

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



40.4808, 55.6129, 65.3696



42.7201, 55.6129, 87.0800



47.7083, 55.6129, 103.8905

Triad

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



42.7201, 55.6129, 87.0800



66.3753, 55.6129, 77.1264



51.2362, 55.6129, 29.5472

Complementary

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



42.7201, 55.6129, 87.0800



41.4513, 29.2892, 12.4872

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.



58.3664, 55.6129, 31.3363



42.7201, 55.6129, 87.0800



67.5322, 55.6129, 55.9790

Square

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



42.7201, 55.6129, 87.0800



61.4522, 55.6129, 97.3071



64.4858, 55.6129, 40.0477



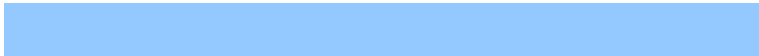
45.1057, 55.6129, 34.4605

Rectangle

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



42.7201, 55.6129, 87.0800



52.1329, 55.6129, 108.3353



64.4858, 55.6129, 40.0477



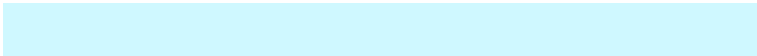
53.5906, 55.6129, 29.4061

Sweetspot

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



42.7219, 55.6150, 87.0813



77.1620, 87.4315, 107.4168



36.2801, 62.5001, 23.9900



16.0198, 18.3527, 22.9480



0.0000, 0.0000, 0.0000



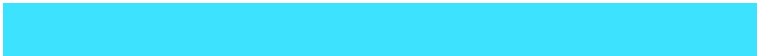
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7219, 55.6150, 87.0813



47.2357, 62.7163, 104.2236



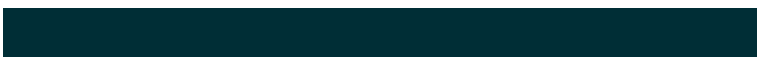
28.4918, 27.1549, 82.3380



15.3158, 16.7181, 19.3419



19.9241, 26.4951, 47.8069



1.6164, 2.1843, 3.7713

Inverse Universe

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



49.6809, 29.2843, 65.9869



56.6734, 30.1205, 74.9173



52.4525, 51.2915, 16.1542



15.6130, 15.2730, 18.5131



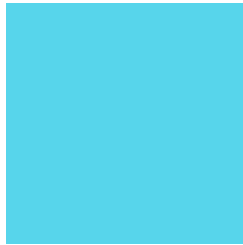
24.9120, 12.1675, 31.6678



1.9824, 0.9659, 2.6246

Previews

White Background



This preview shows how the XYZ color 42.7201, 55.6129, 87.0800 looks on a white background.

Color Contrast Check

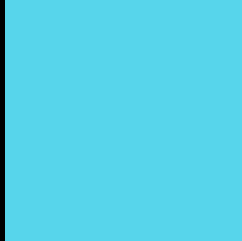
Large Text (above 18pt) WCAG AA × Fail

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 42.7201, 55.6129, 87.0800 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 42.7201, 55.6129, 87.0800

Background



This preview shows how black text looks on a background with the XYZ color 42.7201, 55.6129, 87.0800.



This preview shows how white text looks on a background with the XYZ color 42.7201, 55.6129,

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

42.7201, 55.6129, 87.0800

Protanopia

53.9625, 54.9339, 76.8664

Deuteranopia

56.0972, 54.7593, 90.0510



Tritanopia

42.2167, 55.7940, 84.1456

Trichromacy



Original Color

42.7201, 55.6129, 87.0800

Protanomaly

47.8886, 54.0916, 80.5898

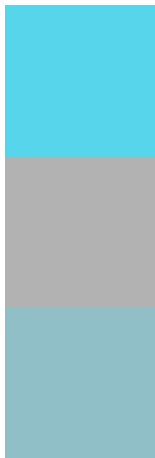
Deuteranomaly

49.1825, 53.8899, 88.6985

Tritanomaly

42.4498, 55.8978, 84.8959

Monochromacy



Original Color

42.7201, 55.6129, 87.0800

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.6167, 47.4049, 61.0422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7201, 55.6129, 87.0800 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(87, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(87, 213, 235)  
}
```

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(87, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 213, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.7201, 55.6129, 87.0800 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(87, 213, 235) }
```


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

```
.border{ border-color:rgb(87, 213, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 213, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 213, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 213, 235);  
box-shadow:4px 4px 4px 4px rgb(87, 213,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7201, 55.6129, 87.0800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 213, 235) }
```

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

```
.background{ background-color: rgb(87, 213,  
235) }
```

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